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Fred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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EMBL: AF194268; AAF07979.1: -.
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"Mechanisms for Evolving Hypervariability: The Case of Compagations.":
Bell Biol. Ecol. [5.125] 18 (2001).
EMBL: AP215832: AAO504601: ...
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EMBL. AFGG595. AAC343721; CAFGGCBGG977079 CRC64; SIGGBROER 5: AA. 5584 MW. CC4FGGCBGG977079 CRC64;
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61-DEY-2001 (HEMBERGEL 19, (ast annotation update)
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Ptam: PF02950: Constoxin: {
SECOENT: 78 AA: 8661 MW.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOSHA, AVENUA, 97
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Arit B.M., Sah J.S., Chen X.W., Zuidema D., Goidbach R.W.,
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                                                                                                                                                                                                                                                                                                          TREELIMINARY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRELIMINARY;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15, TOAK IA BUNKELET
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I: Mismatches
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Prod. No. 19.852;
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   RESERVED SET THE
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Best Local Similarity
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Best Local Similarity
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Early J. Pearson M.N. Harwood S.H., Pank C.J., Evans J.L.,
Slavinsk T.M. Rohrmann G.F.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Sequence and analysis of the genome of a baculovirus parmodenic for Lymanizia dispar.": virolary 253:17-44(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Submitted (MAR-1999) to the EMBL/GenBank/PDBT databases EMBL, AF081810; AAC70335 T: SEQUENCE 53 AA; 5513 MW; A32BH7D15263DD00 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SECTIONS FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CONUTOXIN SCAFFOLD VI/VII.
Conus pennaceus (Feathered cone).
E.kuigota, Metazca: Molluson, Castropoda.
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01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
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Mol. Biol. Evol. 18:120-131(2001).
Brad. Ac193.59; AAR-9746 1:
Britis Prog. IFR004214; Conocioxib.
France Froz 16:00-000-00016; Conocioxib.
SEQUENCE 78 AA; 8615 MW; 90411ACEBB7FE3F8 CRC64:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Neodastropoda; Conoidea; Conidae; Conus.
NCBI_TaxID=37335;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conticello S.G., Gilad Y., Avidan N., Ben-Asher E., Lovy E.,
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95900k0
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                                                                                                                                                  Conus textile (Cloth-of-gold come).
Eukirysta, Mctiron: Molluscy: Gastropoda: Cacmodastropoda;
Neoquatropoda: Comeidoa: Comidae: Comus.
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01-HAY-2000 (TrEMBLYO 13 (ast sequence update)
01-DEC-2001 (TrEMBLYOL 19, Last annotation update)
SELUTETE FROM H.A.
MEGLINE 21195969, PubMed-11158371:
Conticello S.G., Gilad Y., Avidan N., Ben Asher E., Levy C.
                                                                                                                                                                                                                                                    CONCTOXIN SCAFFOLD VI/VII
                                                                                                                        WIBI_TaxID: 6494;
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3; Mismatches
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RESULT 10
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EMBL, AF193260; AAF07971.1; ...
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Pfam; PF02950; Conotoxin; 1.
SEQUENCE 78 AA; 8756 MW; D1
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Eukaryota, Metamoa; Mollusca: Gast
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01-MAY-2000 (TrEMBLrel. 13, Created)

01-DEC-2001 (TrEMBLrel. 13, Last sequence update)

01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
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EMBL: AF193256: AAF07967.1; -.
INSUFFICE TPROMATIA: Constoxin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE-21105969; PubMed-11158371; Conticell, S.J., Glidd Y., Aridan N Fainzilber M.;
                                                                                                                                                                                                                                                                                                     01-MAY-2000 (TrEMBLrel, 13, Created)
01-MAY-2000 (TrEMBLrel, 13, last sequence update)
01-DEC-2001 (TrEMBLrel, 19, last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Neogastropoda; Conoidea; Conidae; Conus.
                                                                                                                                                                                                                                                                                                                                                                                               Q91JA73
                                                                                                                                                                                                              Lukuryulu, Kalasas, Mollysmy, Astropodas Asmondastropodas
Neugastrupuda, Subbides Conidaes Conus.
                                                                                                                                                                                                                                                                                                                                                                          Q9UA73;
                                                                                                                                                                                                                                                           Conus abbreviatus.
                                                                                                                                                                                                                                                                                     FOUR LOVE CONOICKIN ABVIN (PRACMENT).
                "Molecular genetics of exclosical diversification: duplication and rapid evolution of texin genes of the venomous gastroped comms.": Proc. Natl. Acad. 500, 0.5.A. 96:F829-6823(1949).
                                                                                  MELLINE 99289555, Pahambi 8.R.;
                                                                                                                                 STRAIN=1;
                                                                                                                                                                                              NCB1_1ax1D-160123;
EMBL, AF090071, AAD48324.1; -.
                                                                                                                                                      SEQUENCE PROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                   PRELIMINARY;
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-9194 MW; - CDDCA6F9F388C944 CRC64;
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46.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                   PRI;
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01 MAY 2000 (FrEMBirel, 13, Greated)
01 MAY 2000 (TrEMBirel, 13, Last sequence update)
01 DEC 2001 (TrEMBirel, 19, Last annotation update)
pouk Luop CONOTOXIN ARVIM (FRACMENT).
                                                      BOOK A., Withhaldt E., Wood Y., Edjandroam W.A., Kolfed D.J., Saburit od (19 1908) of the 1991 (1908) of the
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Cakiryeta: Fundi Ascomyceta: Schilosaccharomycetes:
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01 Nov 1998 (TrEMBLIGEL 08, Last sequence update)
01:097-2001 (TrEMBLIGEL 19, Last annotation update)
FULATIVE ZINC FINGER C3H4 TYPE.
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"Materular genetics of ecological diversitication: doptication and
rapid evolution of loxin genes of the economous gastropod downs.";
From Natl. Acad. Sci. U.S.A. 96:6820-6823(1999).
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Best Local Similarity
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01-JBN-2001 (TriMBIrel, 17, Last sequence update)
01-JBF-2001 (TriMBIrel, 19, Last annotation update)
CONOTOXIN STAFFOLD VI/VII.
CONUS arenatus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Combs ventricosus (Mediterranean rome).
Exkarycta: Ectazóa, Molfusca; Castropoda: Caemogastropoda:
Necquastropoda: Comoidea: Comidae: Comus.
PEPI_TaxII 11792:
                                                                                                                                                                     Enkaryota: Metazoa: Mollusca: Sastropoda. Caenodastropoda:
Neogastropoda: Comoldea: Conidac: Conus.
NibiliaxiD=89451:
"Mechanisms for Evolving Hypervariability: the case of Cazgego des-
mot. Riol. Evol. 18:120-131(2001).
EMBL, AF215061, AA350489.1: .
G_CINCE __31_77. _86.51 MW. __5038512685105 CBC64;
                                                                                           MEDLINE 21105959; Futbook 11158471;
Conticello S.G., Gilad Y., Avidan N., Bencasher E., Levy Z.
                                                                                                                                                                                                                                                                                                                                               Q9BP77
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01-JUN-2001 (TEMBLECL, 17, Last sequence update)
01-JBC-2001 (TEMBLECL, 18, Last annotation updat
concrexin scarrels VI/VII.
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SMART, SMOSIBA; EING; ].
Zine-linger.
                                                                               Fainzilber M.;
                                                                                                                                     SEQUENCE FROM N.A.
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Prama PPO250; Conotoxin.
SBUCHNOC 79 AA: 8879 MW: 95CLAFFEZADIESTA SRC64:
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EMBL. AP215035, AA/60463.1: -
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Contice110 S.G., dilad Y., Avidas N.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                               53 CEACGRECOPPRICEEDINGFEVE 78
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          46.2%; Pred. No. 0.4%;
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South Completed: September 15, 2002, 05:26:45
Job time: 417 see
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Eukaryota: Viridiplantae: Stroptophyta: Embryophyta: Irachoophyta:
Spermatophyta: Madnollophyta: Lillopsida: Poales: Poaceae:
Ehrhattoideae: oryzeae: oryza.
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094170; 01-050-2001 (TrEMBLrel. 19, Created)
01-050-2001 (TrEMBLrel. 19, Last sequence update)
01-050-2001 (TrEMBLrel. 19, Last annotation update)
P0481E12.38 PROTEIN.
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                                                                                                                                                             "Newell among connetexing black dibydropyridine insensitive high voltupo-activated catclum channels in molluscan neurons.";

J. Neurochem. 67:2155-2163(1996).
-i- FUNCTION: CMECA CONTEXES ACT AT PROMARTIC MOMERANDS, $400 AND BLOCK THE CALCIUM CHANNELS. ACT IN BIGH VILLAGE ACTIVATES (HVA) CALCIUM CHERENTE IN MOLLUSCAN NEURONS.
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Kits K.S., Inshler 1,7, van der 9
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Pakarpota: Metazoa, Maliusca, Gastropoda, Pardocastropoda.
Necdastropoda: Concidea: Ponidae; Conus.
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fo-MAY-2000 (kel. 40, last organism update)
lo-por-2001 (kel. 40, last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     P24.59;

P24.59;

Ol MAR 1992 (Rel. 21) Last sequence update)

Ol-MAR-1992 (Rel. 40, Last sequence update)

15--21-2001 (Rel. 40, Last annotation update)

Delta-condoxin (Evil) (NiB).

Conds textile (Cioth-of gold code).

Collaryeta: Medated Medates Conduct Causa Tachedastropeda:

Newdastropeda, Concidea, Conduct Causa.
                                                                                                                                                               Husson A., Tainailler M., Gordon E., Zlotkin E., Spira M.E.: "Afteration of Sodium currents by new poptide toxins from the a mollusciverous Cours small.", For. J. Neurosci. 5:56-64(1948).

1 INDEED M. INDEED F. LOCIUM SHAWED INACTIVATION. DESCRIPMENT.
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01-FEB-1996 (Rel. 33, Last sequence update)
01-MAR-2002 (Rel. 41, Last annotation update)
01-MAR-2002 (Rel. 41, Last annotation update)
Aptostichus schlingeri (Trap-door Spider).
Enkaryota, Metaza, Artherpeda; (Policerata: Aradmida: Aradman;
Mygalomorphae; (Yrtauchemidae: Aptostichus.
Venom. Neutrotoxin. Sodium channel inhibitro.
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                                                                                                     DEPOLAKIZATION AND SIGNIAND DE REFLITTIVE FIRING OF NEURONS
-1- SURCELLHIAR LOCATION: Secreted.
PIR: $19619; $19619.
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-1: TISSUE SPECIFICITY: Produced by the venomous gland.
-1: FIM: POHK DISHLEIDE HONDS ARE PRESENT.
-1: MINDLEMAN WAS LOCATED TO APPOIOXIN VII.
                                                                                                                                                                                                                                                                           MEDLINE=94584232; PubMed 8261098;
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SEQUENCE 47 AA;
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Eldridde R., Li Y., Miller L.K.: "Characterization of a bacalogicus demo encoding a swall occoboxic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             of NoV-1995 (Ref. 32, created)
Of NoV-1995 (Ref. 32, Last sequence apdate)
Of NoV-1997 (Ref. 35, Last annotation update)
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"Structure-function studies of w-atracotoxin, a potent antagonist of insect voltage gated calcium channels.";
                                                                                               William Sound the prose aktivity
                                                                                                                                                      7.1 FA:N []
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1188UE SPECIFICITY: Produced by the Person of Sud-
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Virolovy 2-2:586-505(1994).
                                                  Barsyle D., White K.N., Lovely, U.A.: "Clouding and characterization of all otherwise in cisRs in the mossed Mytilus edulis I. directive and metallotherwise mytilus edulis I. directive and mytilus edulis I. directive 200 (1909).

Comp. Biochem. Physiol. 1220:2287-296 (1909).

-I- FUNCTION: THE METALLOTHE NUTUS AND INVOLVES IN THE CLIPTAP ELOUGISTERICS OF THE METALLOTHE NOS.
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01-FEB-1994 (Ref. 28, Last sequence update)
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Kaeqi J.H.R., Fothergill J.E.
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Mackay B.A., Openholl I., Inchbir
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Mytibus edulis (Blue mussel).
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J. Virol. 66:6563-6571(1992)
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forms of metallothionely from the edible massel Mytilus edulis.":
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MERCINE 94067828, PahMod 924-963,
Mackay E.A., Pootnell J., Jombar B., Davidson L., Bunziker F.E.
Kaedi J.H.R., Fotherdill J.E.,
Kaedi J.H.R., Fotherdill J.E.,
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16:971-2091 (Rel. 40, Last annotation update)
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Mytilus edulis (Blue mossel), and
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Myril.Taxib 6550, 29152;
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SIMILARITY: BELONGS TO THE METALLOTHIORETH SUPERFAMILY, FAMILY 2.
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01-FFB-1994 (Rel. 28, Last sequence applate)
16-027-2001 (Rel. 40, Last annotation update)
Metallothiopeia 20-III isolona B (MF-20-IIIB).
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InterPro: IFPSE1698, Metallthion_mollusc
Pfnm: PPPO131 metalthio; I.
                                                                                                                                                                                                                                                                                                                                                  "Complete amino acid sequences of five dimeric and four monomeric forms of metallocals from the editor messel Mysilus cdulis.":

Bur. J. Biochem. 218:184-194(1993).

1 PRETION. THE METALLOCHE HEIRS AND EMPLOYED IN THE FEEDERAR SEQUENTRATION OF POXIC HEIAL DANS.
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Mytiloidea, Mytilidac, Mytilus.
NCHL_lax10 <sup>(55</sup>0)
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Metal-binding: Metal-thiolate cluster: Chelation; Cadmium
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PIR; 839422; 839422;
HSSP; P18055; ]MRB.
                                                                                                                                                         Metal-binding: Metal-Thiolate cluster; Chelation; Cadminum SEQUENCE 71 AA; 6874 MW; 04BF09FFB08577E7 CRC64;
                                                                                                                                                                                                             InterPro: IPRO01098; Met Hithion_mediuse Ptam: PF06141; metalthio; 1.
                                                                                                                                                                                                                                                                PIR; 839422; 839422;
HSSP; P18055; 1MRH.
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Kaeqi J.H.R., Fothergill J.E.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDILINE 91262828. PLEMON ME14163:
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TALIBRISH LEVINSXILL Z
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                                                                    College of the state of
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                                                                                                     Score 54; DB ]; Length 71;
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FUNCTION: CHULD FUNCTION IN BUTTION CXTDATION FOR THE SYNTHESIS OF BETTINDIC ACTD, A HORMONE IMPERIAND FOR SELECTIAN DEPTIKENCIALISM. In CATALYTIC ACTIVITY: An alcohol + NAD(+) - an aldehyde or ketone -
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Alcohol dehydrogenase class IV (BY 1.1.1.1) (Retinol dehydrogenase)
(Castric alcohol dehydrogenase) (ADH F2) (Alcohol dehydrogenase 7).
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Zaombie-Knight M., Deltour L., Haselbeck R.J., Foglio M.H.
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MINCHM: 95295259; PubMed 7780025;

Zeombie Kinght M., Ara H.L., Postio M.H., Daester G.;

"Clouding of the mouse class IV alcohol dehydrodenase (retinol
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STRUCTER LAYARION: "YEOPILISMIC.

LISSUE SPECIFICITY: HIGH EXPRESSION IN THE SLOWATH BUT SAL LOWER EXPRESSION IN EXPRESSION IN STATEMEN. LIVER AND UTERUS.

SIMILARLIY: HELDINGS TO THE SINGLE MIGHTING ALOSH IL DEHYLRIGITHASE
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: 076734; AAC53124.1;
: 076728; AAC53124.1;
: 026729; AAC53124.1;
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01 AVE 1990 (Ref. 16, Created);
01-NOV-1990 (Ref. 16, Last sequence update);
16-001-2001 (Ref. 40, Last amountion update);
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hasson A., Fainz Haer M., Gardon E., Zlorkin E., Spita M.E.:
Hasson for all Fainz Haer M., Gardon E., Zlorkin E., Spita M.E.:
"Alteration of sodium currons by new poptide toxins transition as molluselycorous comes small.")
For J. Neurosci, 5:64-64(1978).
For J. Neurosci, 5:64-64(1978).
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FOR THE TEXT. HEREIT CALIFM THANKE THAN TOXICAL AND THE MAINTEN MIDSEA THE PREVIOUS SHIESD IT SUBSECTION THE PREVIOUS SHIESD IT SUBSECTION STAND THE PREVIOUS COMES AND THE PREVIOUS SHIESD IT SUBSECTION OF THE PREVIOUS COMES AND THE PREVIOUS SHIESD IT SUBSECTION STAND KNAME TO SUBSECTION OF THE PREVIOUS COMES AND THE PREVIOUS SHIESD IT SUBSECTION STANDARD TOXICAL PROGRAMMENT OF STA
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InterPro 1999424, Janotoxin.
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Vesmo, Marstoxin, Sodium champel inhibitor; Signal;
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MEDLINE 92104183; PubMod 1761058;
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[3]
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"A molloscip rous froms region reserved to meworke in count kins.":
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WoodWard S., Cruz L.J., Olivera B.M., Hillyard D.K.;
"Constant and hypervariable regions in conotoxin propertides.":
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Enkaryota: Metama: Mollucea: Gastropoda; Caemonastropoda;
Neogastropoda, Comoldea, Comidae; Comes.
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Rest Local Similarity 44.4%;
Mutches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MELLINE 9639129; FibMed 1325425;
MESSETTE M., Keil G.M., Schneider K., Koszinowski U.H.;
"Charavterization of the muribe cytomegalovinus genes encoding the major DNA binding protein and the ICP18.5 homolog.";
Virology 191:355-367(1992).
--- FUNCTION: SINGLE-SIRAND DNA-BINDING PROTEIN PEQUIRED FOR DNA
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Viruses: dsDNA viruses, no RNA stage: Herpesviridae;
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PI-APR-1993 (Rel. 25, Last sequence update)
P-P-11-2 DI (Rel. 40, Last annotation update)
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ZN_FING 473 40
SECTEMBER 1191 AA;
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Nº81_TaxID·10367;
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                                                                                                                                                                                    Plan: Pf00747; viral_DNA_bp: 1.
DNA_binding_DNA_replication; Zime_linger; Nuclear_protein;
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FIR: A44051: A44051.
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455 VISODIVE -- SHIVNAGSKLOGAGGGROCHIC 484
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                               * IXSODLOFPSDHI-----GOOSCKCAFVC 26
                                                                                                                                                                                                                                                                                                                                                                                                                                 REPLICATION.
SUBCELLULAR LOCATION: Nuclear (Probable).
SIMILARITY: BELONGS TO THE HERPESVIKOSES DNA BINDING FROITIN
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2: Mismatches 9: Indeks
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Best Local s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (i.e. Eaton-Lambert syndrome) and reversal of curare and other neuromuscular blocking drugs. The proposed discreter is a solution preferably one associated with epilopsy. The neurological discreter is a neurotoxic lighty associated with kypowia, anoxia of ischaemia. The neurotoxic lighty associated with kypowia, anoxia of ischaemia. The neurotoxic lighty is associated with kypowia, proposed is shaemia. The drownings sufford trauma, imperiorabilit historic, respectives as the drownings, sufford too, periodal asphysia. Experi, respectively, the drownings, sufford too, periodal asphysia. Experi, respectively, the disorder is pain in embedding, acute pain, the disorder is influenced to a cardiovascular disorders as earn, the disorder to be subjected to allow a mammal in pain or about to be subjected to a pain constructed pain, and to treat disorders associated with radical depolarisation of excitable membranes by activating a KAIP changel, the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           including demyelihating diseases i.e. multiple sclerosis, optic neuromyelitis, disseminated encephalomyelitis, adresolenkodystrophy, acute transverse myelitis, progression myltinger! lenkovageph.deprby seb acute sclerosing pareocephalomyelitis (SSPE), metachromatic
                                                                                                                                                                                                                                         demy-linating disease; multiple selecosis; Huntingdom's disease correpathy; carpal tunnel syndrome; cardiovascular disorder; cancestive heart tailure; cancer; immunosuppression; epilepsy;
                                                                                                         Wildolffalls Vs
                                                                                                                                                                                                                authing ischnemia; stroke; pain.
                                                                                                                                                                                                                                                                                                                            Note small; 0-supertamily conotoxin; sodium channel;
                                                                                                                                                                                                                                                                                                                                                                          Cone small o supertamily conotoxin propeptide, belta striatus
                                                                                                                                                                                                                                                                                                                                                                                                                                   24 off-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAH05969;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAUU5969 Standard: Peptide: 29 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               disorders include cardiac, ocular and cerebral ischaemia and asthma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   addiction, cancer, cognitive dystanction, neurotransmitter disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       neuropathies i.e. ulmar merve palsy, and carpal tunnel syndrome, cardiovascular disorders, i.e. cardiac arrhythmias and congestive heart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          bold innum toxin poisoning, Huntington's, compression, entrapment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sodium channels in an individual and the treatment or prevention of disorders associated with voltage gated ion channel disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             channel disorders, including dempelinating diseases i.e. multiple
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hes 26; Conservative
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100.0%; Pred. No. 2.9e-10;
dive 0; Mismatches 0;
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Best Local Similarity 96.2%; Pred. No. 40-10;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         neurommscalar blocking drugs, the neurological disorder is a seizure, preterably one associated with epilepsy. The neurological disorder is a neurologic injury associated with species of an exist of ischaemia. The neurologic injury is associated with strucks, coroboguscular archieut, brain or spinal cord trauma, myocardial infarct, physical trauma, diownings, sufficiention, porthatal asphyxia or bypodygoseper events. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           neuromyelitis, disseminated entephalomy lifts, adrenolabiloodystrophy, acute transfers myelitis, progressive multiformal leakoemorpha opathy, acute sclerosing pancephalomyellis (SSPE), metach ond injury, bob object, by Politaeos Martinet Barons, compression, entrapment neuropathies i.e. that here palsy, and carpal tunnel syndrome,
Come smail: o superfamily const wind sodium channel.
                                                  Come smail a supertaintly constaxin propeptide, Striat21
                                                                                                                                                                                                              AAU05967 standard; Poptide: 29 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            disorders include cardiae, contar and cerebral ischaemia and asthmu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                alleviate pain in a mammal in pain or about to be subjected to a pain causing event, and to treat disorders associated with radical deposit isation of excitable monderines by activation a RAID channel. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           disorder is pain i.e. migraine, acute pain, persistent pain, non-conditional interpretation of a neuropathic pain, nociceptive pain. The disorder is inflammation of a cardio-ascelar disorder. A constoxin peptide of is useful to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               neuropathies i.e. what merve palsy, and carpal tunnel syndrome, cardiovascular disordors, i.e. cardiac arrhythmias and consessive heart failure, reactive allosis, hyperalycaemia, immunosuppression, covaried addiction, cancer, countried dyslumetion, monotonassmitter disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The segarnes is a cone small o supertamily constoxin propertide. The peptides are useful for regulating the flow of sodium through sodium channels in an individual and the treatment of prevention of
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26 JUN-2009; 2000US-*021426 s.
26 JUL-2009; 2000US-*0219440
27 OCT 2000; 2000US-*024*412.
                                                                                                       24 OCT 2001
                                                                                                                                                                  AAHOSSE?;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         ii; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 22; Length 25;
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desprimaring disease: multiple scienosis; Huntingdon's disease;

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Brest Loc
Matches
                                                                                                                                                                                st local Similarity 92.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     drowness, sufforation, permatal asphyxia or hyposiyeassic events. In disorder is pain i.e. midratine, acute pain, persistent pain, nemorable pain, and disorder is included in a cardiovascular disorder. A complexity peptide of is useful to allegate pain in a mammal in pair or about to be sufficient disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               hed pathies i.e. ulbar here palsy, and carpar table syndram, carfibenascular disorders, i.e. cardiac arrhythmias and carestive learn ribure, reactive allows, hyperalycaphia, immunosuperession, cocaline abilition, canner, coalitive dystunction, near transmitted disorders (i.e. Eaton-Lambert Syndrame) and reversal of curare and other neuromoscular blocking drugs. The neurological disorder is a selective.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         preferably one associated with epilepsy. The Lourological disorder is a newtrotoxic injury associated with hepoxia, amount or isolated. The mentotoxic injury is associated with stroke, corebrovascular accident, train or spinal cord traina, myocardial interes, physical traina.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             abute transverse myelitio, progressive multifocal looksatocaphalopathy, s.b. abute seletosing panecephalomyelitis (SSFE), metactromatic busedystrophy, Felicabus Merzbacher disease, spiral cord injury,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Σ.
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20 SUL-2000; 2009US-0219146.
27 -631-2000; 2009US-0243412.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             becoming demyelinating diseases i.e. multiple selecosis, optic neuromyelitis, disseminated emcephalomyelitis, odienoleskodystrophi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New \cdots supertaintly polypeptides useful for treating voltage gated ion channel disorders, including demyclinating diseases i.e. multiple
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                                                                         "TXSOLITOTESPHICOCSORCAPVOL 27
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) COGNETIX INC.
                                      , Cartier SE. Watkins M. Hillyard UK, McIntosh JM:
Jones RM:
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                                                                                                                                              Conservative
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                                                                                                                                          Score 144; DB 22;
Pred. No. 1.1e-09;
1; Mismatches 1
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                                                                                                                                                                                                                                                                                 (i.e. Baton lambert syndrome) and reversal of curare and other neuropassentar klocking drugs. The memological disorder is a set preferably one associated with epilepsy. The memological disorder is neurologic injury is associated with blocking above a construction injury is associated with stroker cerebrovassplan archite.
                                                                                                                                                                                                                                                                                                                                                                                                                                        botalibum texin pelsoning, Bantington's, compression, entraphen neuropathies is almos no we palsy and expedituous syndrome, cardiocasequar disorders, i.e. caldiocastabythmias and consestive heart failure, reachize glissis, hyperstycasmia, immunosuppression, scribs addiction, camper, countries dystunction, neurotransmitter disorders
alleviate pain in a mammal in pain or about to be subjected to a pain causing event, and to treat disorders associated with radical depolarisation of excertable membranes by activating a KAH channel, the disorders include cardiac, (wellar and exceeds) ischaemia and astima.
                                                                                                                         disorder is pain i.e. migraine, acute pain, persistent pain, necropathic pain, necropative pain. The disorder is inflammation or a cardiovascular disorder. A constoxin poptide of is useful to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            disorders associated with collage dated ion channel disorders, including demyelinating diseases i.e. multiple sclerosis, optic neuromyelitis, disseminated encephalomyelitis, adrenoloukedyst; phy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Some shail, a superfamily constaxin, sodium channel, demyelinathor disease; multiple selectors is Buntinadon's disease; neuropathy; carpat tunnel syndrome; cardiovascular disordor; conacti; e heart turbure. Cancer, Labora, q; comion, epitepsy;
                                                                                                                                                                                                                      brain or spinal cord trauma, myocardial intarct, physical trauma, drownings, sufficient perinatal asphyxia or hypoglycaemic exects. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 acute transverse myolitis, progressive multiforal leukweneepha apath; sub acute selerosing panecephalomyelltis (SSPE), metachromatic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 2; Page 70; 277pp; English.
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Section design

29 AA

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Profit Security
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                                                                                                                                     usus qathios i.e. dhar nerve palsy, and cirpal tunnel syndrome, endrovasedlar disorders, i.e. cardiae arrhythmias and concertive heart tillare, reactive allosis, hyperally-sentia, immunosippression, escatio addiction, cancer, coahitive dystanction, negrotransmitter disorders
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preterably one associated with epilepsy. The neurological disorder is a neurotoxic injury associated with hypoxia. Aboxia of Sincoln Collections
                                                                      neuronusoular blocking drugs
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Pred. No. 1.9e 09;
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                                                                                                                                                                                                   N-PSDB: AASTO973
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                                                                                                                                                                                                                                                                                                 (COGN-) CHINELLX INC.
                                                                                                                                                                                                                                                                                                                                                20-JHL-2000; Z000US-0219440.
27 zem 2000, Z000US-024441z.
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congestive heart failure: cancer; immunosuppression: epilepsy:
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Pred. No. 2.36-09;
U; Mismatches 1
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The peptides are useful for regulating the flow of sodium through sodium channels in an individual and the frequency of present is α .

the segmence is a cone small exspectantity emotoxin properties

disorders associated with rolling dated on channel diserves

including demyelinating discuses i.e.

Alisember of the appropriate

r en patro estado de Sistemas aldiplom

Claim 15: Page 71; 277pp: English

sclerosis

channel

New a superfamily polypeptibles asoful for treating yellow hared isa

disorders, including despetimation diseases i.e. multiple

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(i.e. Nature Lumbert syndrome) and reversal of curare and other neuronoscular blocking drugs. The neurological disorder is a solector preterably one associated with epilepsy. The neurological distance is neurological distance is a neurologic filling associated with typescal angular scenarios. The neurologic injury is associated with stroke, corebrovascular accident, brain or spinal cord trauma, myorardial interest, physical trauma, brain or spinal cord trauma, myorardial interest, physical trauma.
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Sequence
                                                                                                                                                                      causing event, and to treat disorders associated with radical depolarization of excitation meshcanes by a thating a XAIP of
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AAUU6038 standard; Peptide; 26 AA

24-001-2001 (tirst entry)

Come smail p-superfamily constoxin, Cr6.5A

Come smail: a superfamily operacin; sedim channel; demyrthathe disvase, multiple schepsis, Hanthedon's disease; comportby; carpol trancel syndrome; cardiovascular disorder; conquestive beart tailure, cancer, hammnosoppression, epilepsy;

astlma, ischaemia, stroke: pain

KSXXXXXXX Conus circumcisus

28-DIM: 2000; 2000We US35431.

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Matches 23; conservative of Mismatches G Lidels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         acute transverse myelitis, progressive multiteral leghomorephalopathy sub-acute sclerosing panecephalomyelitis (SSES), metachromatic lenkodystrophy. Pelizeus Merzhacher disease, spinal cond-injury.
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(C. SIN ) COGNETIX INC.
            neuropathy: carpat tunnel syndrome: cardioxascular disorder;
condestive heart failure: cancer; immunosuppression; epileps;;
                                                                demyelitating disease; multiple selects is: Huntingdon's disease:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New o-superfamily polypoptides useful for treating voltage dated ben
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Layer kl,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (COGN ) COGNETIX INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-JUN-2(md) 20000°S-(214263
20-JUL-2000) 20000S-0219440
27-CCT-2000; 20000'S-0247412
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28-DEC 2000; 2000Wo-HS35431
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   W-2001 19312-AZ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conus circumcisus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (6,6,6,1 - , (H) - (1))
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               UNIV GIAH RES FOUND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            disorders, including dempelinating diseases i.e.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Jones FM;
       STANTON TO STORE
                                                                                                                                                                                    : AA 82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9918-012-754
                                    84.98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Walking M. Billyard DR.
       "; Mismutches
                                    Score 12%; DB 22; Length 23;
Fred, No. 5, hears;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14.
11.
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newhopathies i.e. uhar here palsy, and curpational studies. The cardiacascolar disorders, i.e. cardiacascolar disorders, i.e. cardiacascolar disorders i.e. cardiacascolar disorders in hiller, reactive quickis, hyperulyzamia, immunosupression, covalne in hiller, cancer, combine dysimetion, neuroransmitter disorders (i.e. Enton-lambert syndrome) and reversal of curare and other heuroscolar blockied drost. The neurolasical disorder is a relative pretonably one associated with epilepsy. The neurolasical disorder is a mentodor'i relaty by the first of the hiller than a relative pretonably relative to a latification of the mentodor'i relaty by the first of the hiller training of the mentodor'i relative to a latification of the mentodor'i
                                                                                  causing event, and to treat disorders associated with radical depolarisation of excitable membranes by activating a KAIP channel, the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  lockodystrophy. Polizaens-Merzbacher disease, spinal cord injury, botulinum toxin pelsonina. Huntinatun's, compression, entrapment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        neuromyelitis, disseminated encephalomyelitis, adrenoleukodystrephy, acute transverse myelitis, progressive multifocul leukocucephalopathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The sequence is a volume shall be superfamily conducting pightly. The poptides are useful for regulating the flow of sodium through sodium clannels in an individual and the treatment of propertion.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New obsupertamily polypeptides useful for treating voltage gated for channel disorders, including demyelimating diseases i.e. multiple
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (CLAN-) COGNETIX INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Wiszin-149312-A2.
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                                                        disorders include cardiac, coular and cerebral ischaemia and asthma
                                                                                                                                           alleviate pain in a mammal in pain or about to be subjected to a pain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sub-acute solerosind panecephalomyelitus (SSEE), metachromatic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       including demyelinating diseases i.e. multiple sclerosis, optic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   disorders associated with Foltage gated ion channel disorders,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SCIETOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           olivera BM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      z 1- jril.: 2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           describing disease; multiple sclerosis; Huntingdon's disease; bouropathy; carpat typoel syndrome; cardiovascular disordor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cone smail; o-superfamily constoxin; sodium channel;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A The All (tirst catry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JUII. - 2001
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27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9905-0173754.
209905-0214263.
200008-0219440
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hillyard DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           McIntosh JM;
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Best Local Similarity

84.3%

Scone 129, DB 22; Pred. No. 5.1e-08;

Length 27;

Query Match

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RESULT 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26 JUN 2000;
20-JUL-2000;
27 JUL 2000;
                                                                         proterably one associated with epilepsy. The neurological disorder is neurological disorder is he wrotoxic injury associated with slypoxic, anoxida or ischaemia. The neurologic belong is associated with stroke, represented evolutional brain or spinal cord trauma, myorardial interet, physical trauma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    demyelinating disease, modifiple scherosis, Huntingdon's disease neuropathy; carpal tuncel syndrome; cardiovascular disorder; condestive heart failure, cancer; immunosuppression; epilepsy;
drownings, Sattocation, perinatui asphyxia or hypoulycaemic elects. The disorder is pain i.e. migraine, acute pain, persistent pain.
                                                                                                                                                                                                                         addiction, cancer, equilize dystanction, neurotransmitter disorders (i.e. Eaten Lamber' syndrome) and recensal of curare and other neuromomescular blocking drugs. The neurological disorder is a solution
                                                                                                                                                                                                                                                                                                                                                                         botulinum toxin poisoning, Huntington's, compression, entrapmen'
neuropathies i.e. ulmar merve palsy, and carpat tunnel syndrome,
cardiovascular disorders, i.e. cardiac arrhythmias and consestive heart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             w_{\rm W} \approx {\rm superfamily} polypepoides useful for treating voltage dated ion channel disorders, including demyelinating diseases i.e. {\rm min}({\rm tiple})
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                                                                                                                                                                                                                                                                                                                                      tailure, reactive gliosis, hyperglycaemia, immunosuppression.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         sub acute scienosimy panecephalomyelitis (SSPE), metachromatic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         is also publicated discussional properties and one look object to play, and to the temperature of public to properties for each time at the downcophate pathy.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28-DEC-2000; 2000Wo-US35431
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HIH HIH HIH HIH HIH HIH HIH 12
2 CIXSUMCTXSdh) CCSAKCATWCI 27
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200008-024:412.
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Host Local Similarity 84.6
Matthes 22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20, 00,1 50,00;
50,007 70,00;
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                                       sodium channels in an individual and the treatment of prevention of allocates associated with voltage rated for channel disorders, including democratical individual for the selection of the selection of the more myelitis, discominated encephalomyelitis, directlesskodystrophy, best conserves myelitis, progressive multitood frequency photography sub-crute coloresting paracephalomyelitis (SSPE), metachronatic leokadystrophy, Pelizaeus Mercharder (SSPE), metachronatic
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betalinam toxin peisoning. Hantington's.
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The disorder is pain i.e. migraine, acute pain, parsistent pain, neuropathic pain, increepive pain. The disorder is inflammation of a cardiovascular disorder. A comploxin peptide of is useful to alleviate pain in a mammal in pain of about to be subjected to a pain causing event, and to treat disorders associated with radical
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The neutological disorder is a seizure, preferably one associated with epilepsy. The neutological disorder is a
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The neurotoxic injury is associated with stroke, perebrovascular accident, brain or spinal cord trauma, myocardial infarct, physical trauma.
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New o supertamity polypeptides useful for treating voltage galed ion channel disorders, including dempelinating diseases i.e. multiple

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(UIAH ) UNIV UIAH KEE 1750ND
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20-JUL-2000: 200009-0219449.
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84.6%; Prod. No. 9.40-08;
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Best Local Similarity 84.6

Matches 22; Conservative
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neuropathy; carpal tunnel syndrome: cardiovascular diseader;
congestive heart tallure; cancer; immunosuppression; epitepsy;
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We200149312 A2
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                                                                                                                                                  asthma; ischaemia;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       include cardiac, ocular and cerebral ischaemia and asthma
                                                                                                                                                                                                                                                                                                                                                                           or supertamily emotoxin, Cr6.60
                                                                                                                                                                                                                                                                                                    Appending the first of
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84.6%;
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inch exapleted: September 16, 2002, exalida
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            neurotoxic injury is assectated with stroke, verebrooms dar accident, brain or spinal cord trauma, myocardial interet, physical trauma, downings, suffocation, perinatal asphysic or hyporlycaphic events. The disorder is pain i.e. migraine, acute pain, persistent pain, neuropathic pain, noriceptive pain. The disorder is inflammation or a customasseular disorder. A condoxin peptide of is useful to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           lookudystrophy, Pelizaeus-Merzbacher disease, spinal cord injary, botulinum toxin poisoning, Huntington's, compression, entrapment neuropathies i.e. ulnar nerve palsy, and carpal tunnel syndrome, cardiovascular disorders, i.e. cardiac arrhythmias and conjective heart tailore, reactive gliesis, hyperalyciemia, immunosuppression, cocaine addiction, carety, countive dystinction, neurotransmitter disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    aliestate pain in a mammal in pain or about to be subjected to a pain causing event, and to treat disorders associated with radical depolarisation of excitable membranes by activating a KALP channel, the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (i.e. Eaton Lambert syndrome) and reversal of curare and other neuromous cular blocking drogs. The neurological disorder is a seizure, preferably one associated with epilepsy. The neurological disorder is a neurological passeciated with beginning an orientation of isolated associated with beginning associated with the contraction.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-JBN-2000; 2000US-0214263;
20-JBH-2000; 2000US-0219440;
23-981 2000; 2000US-0243411.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sequence
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sub acute selerosing panecephalomyelitis (SSFE), metachromatic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   disorders associated with voltage gated ion channel disorders, including demyelinating diseases i.e. multiple sclerosis, optic neuromyelitis, disseminated encephalomyelitis, adrenojeukadystrophy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           the sequence is a cone smail's supertaintly constoxin peptide. The peptides are useful for regulating the flow of sodium through sodium channels in an individual and the treatment or prevention of
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**Protein search, using sw model

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**Burron: US-09-749-647A-27!

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APPLICANT: HOWDER, MIRGIN E.H.
APPLICANT: TYLER, MAKGARET J
APPLICANT: VONARX, ENWARD J
HILLE OF INVENTION: Insecticidal Toxins Derived From
HILLE OF INVENTION. Insecticidal Toxins Derived From
HAPPER TAVELER PORTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Afforney/AGENT INFORMATION:
NAME: Shaw, Molissa A.
RUSHELIKATION NUMBER: 38,
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FRICK CAPTLICATION NUMBER: USCOLUCY TO SELECT THE FILLING DATE: 17 JULY 1996
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GENERAL INFORMATION:
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Best Local Similarity 47.8%;
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APPLICATION NUMBER: U.S. SH/279,472
FILING DATE: 22 JUL-1994
CLASSFICATION: 536
ACT SUFF, ACERT THE SMALL H:
NAME: WALKER, FARMARA W.
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FUNDAMENCE/S SKET BUMBER: 20,55117A
FUNDAMENTALIAN LANGMATERE
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CILY: Washington
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LITE OF INVENTION: UPILITY
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FRIOR APPLICATION DATA:
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AND RESERVE TWEETERS OF A RESERVE TO THE STEEL TO STARK THE TREE SUITE 219
STAREL P.O. HOX 14 429
21 TY RESTARCH TRIANDE PARK
STATE: PROFIT CARCUSTA
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FILING DATE: JULY 12,
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TMP-RMATION FOR SECTION OF M6:
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SEQUIENCE CHARACTERISTICS:
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COMPRIES: IBM PC compatible

OPERATIFO SYSTEM - PC POSYNKE PCS

SEFUNATE: Patentlin Release #1.0, Version #1.29

CURRENT APPLICATION DATA:
APPLICATION NUMBER: HS/DA/CAZ,46%A

FILLN) DATE:
CLASCIPTE:
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REFERENCE/DOCKET HEMBER: 1FO 5099/01
TELECOMMUNICATION INFORMATION:
1ELEPHONE: 510-231-1542
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AGL-ENDY/AGENT INFORMATISE
NAME: Shaw, Melissa A
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FILLMS DAYE: 27 JULY 1994
A-9LUCATION NUMBER: W-994/15198
FULIND DATE: 29-JAN-1993
APPLICATION NUMBER: AU PIS722
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US-08-923-314-8
: Sequence 5, Application 05/076896938
: Patent No. 5231011
: GENERAL INFORMATION:
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Best Local Similarity 43.5
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ATTORNEY/ASINT INFORMATION:
NAME: Shaw, Molissa A.
REGISTRATION NUMBER: 38, 301
REGISTRATION NUMBER: 38, 301
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MEDIUM TYPE: Floppy disk
COMPUTER: IFLOPPY disk
OPERATING SYSTEM. PC DOS/MS-DOS
SCHTWARE, PUTCHILL SCHEASE #1.P. Version #1.25
CURRENT APPLICATION DATA:
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2 Sequence 13, Application US/08624123

2 Patent No. 5739276
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                                                                                                                                                                                                                                                       GENERAL INFORMATION:
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TELEFAX: (801) 566-0750
THE EMALES PUR SEC ID NO. 5.
                                                                                                                          APPLICANT: Shou, Ki-Joen
APPLICANT: SHITTEY, Michaelte M.
APPLICANT: SHITTEY, Michaelte M.
APPLICANT: SHITTEY, Michaelte M.
LITTE OF INVIDITION: CALATOXID Deptides
NUMBER OF SECURINEES: 14
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TORRESPONDENCE ALBERTS.
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LENGTH: 28 amino accids
LYPE: AMINO ACTO
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                                                                                                           FEIGHT-NUENCE ADDRESS:
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CHINIKY
                                                               AbbRESSEE: Venible, Bactice, Boward of Lifetti
STREET: 1201 New York Azendo R.W.
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NAME/KEY:
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HAMB: Throup, Joffrey L.
BELLITAKI -8 EXCHER: 28,952
REFERENCE/POCKET NUMBER: 24,260 10,7674-5
REFERENCE/POCKET NUMBER: 24,260 10,7674-5
IELECOMMUNICALEN INFORMATION:
FELDYIAX: 20,296,2-4810
FELDYIAX: 20,296,2-4810
INFORMATION FOR SEQ TID NO: 14:
SECURE CHARACTERUSTICS:
LENGTH: 78 amino meids
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COMPUTER: IBM PC compatible
OPERALING SYSTEM PC-locyMS-bos
SOFTWAPE: Patentin Release #1.0, Version #1.25
APPLICATION DATA:
PRICENT APPLICATION DATA:
PRICENT APPLICATION DATA:
AFFLICATION WAMBER, POLYGOS ARELICANIES 23 MAR 1995
FRIDAN DATE, 23 MAR 1995
AFFLICATION NUMBER OF 9405951.5
FILLING DATE: 25 MAR 1993
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APPLICATION NUMBER: 98 08/019/504
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CAMPSTER: FRM PO compatible
SEERATING SYSTIM, PC 1985/MS DOS
SOFTWARE: Patent in Re-lease #1.0, Version #1.40
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
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MOLECULE TYPE: peptide
US-08-716-308-2
where Match (2.9%) Source 50: DB Z: Length 78: Mest Labal Similarity 42.4%; Fred. No. 24: Matches II: Fonservative Z: Mismatches II: Indexs
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Patent No. 5885569
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INFORMATION FOR SEQ 10 NO: 2:
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THIE OF INVENTION: Biological insect Control Adont
MUMBER OF SEQUENCES: 18
OF RESERVATIONS ADDRESS:
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FILING DATE: 25-MAR 1994
ALTOBNEY/ASENT INFORMATION:
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PETISIKALION NUMBER: 88,712
FERENIEZAGORET NUMBER: FERAGO27X/UST
TELFORMMUNICATION INFORMATION:
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computation
FERGITAL SYSTEM: PC-DAS/MS DAS
S STWARE: Palebulo Release #1.6, Version #1.25
SWERTH APPLICATION DATA:
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INFSKMATION FOR SLQ ID NO: 14
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COMPUTER: THM PC compatible

OPERATING SYSTEM: IN DASSIBLE DOS

SOFTWARE: Faterille Release #1.0, Version #1.40

CURRENT APPLICATION BAIA:
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RECICI RATE ANDRES 18,509
REPERSONAL PROCESS NEMBER 24250-107574
TELEPHENE 2021952-4848
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APPLICANI: Hillyard, David R.
ITHE SE HAVENTION: CONCLOXIN Peptides
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ALLOWNEY/AJENT ENFIRMATION:
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Copyright (c) 1997 - 2000 Samputer Ltd.

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A. Lett. Holker specific taxing from the sense of Sana, Parille at Almerical and Sana, Parille at MCDE 20104183
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         y March 6.2%; Score 55; DB-2; Length 37; Local Similarity 46.2%; Pred. No. 1.4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 PKQSGEMPNVLDQ NOPDGYCTVFVC 26
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                                      23011112 LANDSTRIBE
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mess insecticidal poptide Aps III
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Pred. No. 1.3;
2: Mismatched to Indels
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                            Outry Match (5.5%; Score 94; 108.2) Identh 71; Best Local Similarity (6.4%; Fred. No. 3.7) Matches 12; (buservation ); Mismarches 12; (butts
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metallothicacin 20 HTb - blue mussel
Observies: Mytilus edulis (blue mussel)
Obbure: 23 Jan 1995 macpachec_register 27 Jan 1995 mtext charace 17 Mus
CiAccession: 847577
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Cospecies: Autographa calibornica nuclear polyhedrosis girus, AcMNPV
ArNote: dSINA girus
Corate: 12 No. 1999 #sepecies_regista.12 Nov 1999 #text_change if Nov
                                                                                                                                                                                                                           A: Little: Complete amino actd sequences of time dimeric and four measuretic torms of an A: Reference number: $39416; MUHO:94062828
A:Accession: $47577
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6.634 idas 8., Li. V., Miller, L.K.
J. Virol. 65, 656 6571, 1992
Actified Characterization of a bacadocinas agencies oding a small system of
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Fizh8-356/Damain: RING finger bandlery SEPN
C: Keywords: chelation; metal binding
                                                                                                                   A; Molecule type: protein
A; Residues: 1-71 - MAC.
                                                                                                                                                                                                                                                                                                                                                                                             Eur. J. Biochem. 218, 134-194, 1994
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A; Residues: 1-53 (ELD)
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ArAccession, A440a)
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A: Kesidues: 1:5x < AYR -
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                                                               C:Superfamily: metallot.ioneis
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West Local Similarly, Sizin
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$7.9%; Prod. No. 2.6;
Zative 5; Mismatches
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A:Reteronce number: $39416; MUII:94962828
A:Accession: $39422
A:Molecule type: protein
A:Resibner: 1-71 HAC:
('Supertamily: metallothConein
':Keywords: chelation: metal bindira
A:Cross telerenoes: EMBL:X63187: NID:q32050; PIDR:CAA44869.1, PID:q32051
"Nobelo"17s:
                                                  A:Molecule type: mRNA
A:Residues: 1-125 ~KIR
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A:Accession: $25454
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Riol. Reprod. 45, 350-457, 1991
A:Hitle: A major buman epididymis-specific cDNA encodes a protein with sequence bemalog
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C:Species: Mytilus edulis (blue mussel)
C:Date: (3-Jan-1995 #sequence_revision 13-Jan-1995 #fext_chat++ 17 Mar 1979
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                                                                                                    Asstatus: preliminary
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F: Kirchbott. 2.; Bat
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C:Date: 1:-Jan-1995 #sequence_revision 1:-Jan-1995 #text_:Hange 1:-Mar-1:09
                                                                                                                                                                                                                                                                            C)Species: Homo suplens (man)
C)Hoto: [K:Jan-1995 #sequence_revision [K:Jan-1995 #toxt_change
                                                                                                                                                                                                                                                                                                                                         epididymis-specific four-disulfide core protein HE4 - human
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Hest Local Similarity (6.4%)
Matches 12: (5552571) inc
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;Residues: 1-71 -MAC>
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Markin P A compani
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J. Fiochem. 218, 183-194. 1953
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We late Numbercution
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1; Missatobes
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C:Accession: 103171
R:Bahr, U.: Tidona, C.A.: Datai, G.
Vitus Genes 15, 235-245, 1997
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Astraction: (REH)
A.Fitle. The DNA sequence of Chilo Hidescent Virus between the denome exordinates A:Rotoronee number: 714834: MUH2598141693
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J. Ridl. Clem. 275, Roda Bar7, 1995
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Companies 21-Jul 1995 #text_charace
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N:Alternate names: class IV alrohol debydrogenase ma chalm: class IV alrohol debytron
N:Contains: retinol debydrogenase (B2 L.L.L.D)
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                                                                                                                                                                      Collate: 24-Mar-1969 #sequebrd_revision 24-Mar-1999 #text_clamae 2 | Arr-199
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A: Molecula type: BENA
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** Averassion: A44051; $23218
Windowski, M.; Koll, 6 M.; Schneider, K.; Koschnowski, U.H.
Vindowski, G.; 1992
A 18 oc. Characterization of the morther vyomesialocities acro
A Reference number: A44051; MULDEROCKLE
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Bur, J. Biochem. 202, 589-595, 1991
A. Hitle, Bollose specific towins from the communication for the period aring
A, who recover number, 219-58, MULD-92184183
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A:Intloca A modiuscrivenous Cours texth: conserved frameworks in valotexins.
A:Reference number: A30103 MUID:R0207553
A:Ression: A30103
A:Ression: A30103
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E:52 70/Freedown, delta computaxin faVIA #status experimental -MAI -
E:53 08,60 72,62 77/Minuffile bands: #status predicted
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EMBO J. 9, 1015-1020, 1990
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CoAccession: #12519, Adding, #1955
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42.3%; Pred. No. 13:
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    k:Cammup, B.P.: 50 kelle, M.F.: Lerras, F.E.: Priost, F.: Vin Lermbe, L. Reez. A.E.
J. Biol. Chem. 267, 2228-2233, 1992
    A:Ditte: Isolation and characterization of a nevel class of plant antimorphical pepti

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C.Accession: SS/815; B42416
C.Accession: SS/815; B42416
Right Med. Biol. 28, 714-721, 1995
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A.Residuos: 1-1191-MES-
A.Residuos: references, 38.82021. MibraGaS(4): PIDMCGAA47414.1: PibraGaS(4)
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C.Supertamily: herpesvirus DNA bindira protein
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ArReference number: $57815; MUID:9577234
A.Accession: $57815
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Local Similarity 41.7%; Prod. Mo. Lo;
bos 10; Conservative 5; Mismatches
THE THEORY SUPPROCESSION 47
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| | 7, | O.K | 'n | 78 | 78 | 7 8 | .7 | 7 H | 72 | 27 | 1.1 | 4.7 | - 3 | 7 / | 2.3 | 27 | 27 | 27 | 26 | 36, | 6.7 | 27 | 26 | ۲, | 2.7 | Ļ | 37 | 3 | <u>.</u> | 3 1 | 24 | الح سم | 27 |
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| AArms | AAUJ5993 | AAIIMEGGAA | AATT TO | AAUUF 809 | AAU05807 | AAUU5804 | AAU05801 | AAR80094 | AAR62361 | AAU05988 | AAU05980 | AAW78460 | AAR 19016 | AAR 487 97 | AAiiu5974 | AAU06022 | ΑΔΠ06020 | AAIII-16.05.2 | AAU06040 | AAU06-04-4 | AADD-6048 | AAUG6046 | AAUGEU34 | AAUJusija 2 | AAUGEGEE | AAUTo 6.038 | AAIIO6.043 | AAU06039 | AAU1115.57 + | AAU06033 | AAU06021 | AAUDIF 5/17 | AA005972 |
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N PSDB; AASTO9/L
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neuromyelitis, disseminated encephatomyelitis, adrenoleukadystrophy,
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                                                                        William I L-Al.
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    superfamily conotoxin propeptide, Striat21.

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Cone smail or-superfamily conotoxin propertide, belta Striatus 106
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  including demyelinating diseases i.e. multiple sclerosis, optimentally and the control of the co
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neuromoscular blocking drugs. The neurological disorder is a selected
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neuropathies i.e. vinar berge palsy, and carpat tunnel syndram ,
cardiovascurar disorders, i.e. cardiac arrhythmias and requestice heart
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27-031-2000 200078-0244412.
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leukodystrophy. Belizaeus-Merzharher disease, spinal eord injury.
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Bost Local Similarity
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                                                                                                                                                                                                                                          causing event, and to treat disorders associated with radical depolarisation of excitable membranes by activating a KALP channel, the disorders include cardiac, ocular and cerebral isohaemia and asthma.
                                                                                                                                                                                                                                                                                                       neuropathic pain, nociceptive pain. The disorder is inflammation or a curnivascular disorder. A constrain pertide of is acted to a pain allowante pain in a mammal in pain or about to be subjected to a pain
                                                                                                                                                                                                                                                                                                                                                                        Plant of spinal cord trauma, myocardial infarct, physical trauma, thospinas, suffership, perinatal amphysia of hypothyracais counts, to disorder is pain i.e. migraine, acute pain, persistent pain.
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20-JUL-2000; 2000US-0219440
27-081-2000; 2000US-0244412
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              neuromyelitis, disseminated encephalomyelitis, adheorieskedystrophy, acute transverse myelitis progressive multipodal beakeneoriphylopathy.
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channel disorders, including demyelinating diseases i.e. moltiple
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Alleviate pain in a mammal in pain or about to be subjected to a pain causing event, and to treat disorders associated with radica, depolarization of excitable membrance by activating a KAR charmel, to preferably one associated with epitepsy. The neurological disorder is a neurologic injury associated with bytewia, amounts or isotaemia. The neurologic injury is associated with structe, cerebrovase for a soldent brain or spingle cord trauma, myocardial infarct, physical trauma. cardiovasceia: disorders, i.e. cardiae arrhythmias and concentre heart failure, reactive albasis, hyperalycaemia, immunesuppression, escalue addiction, cancer, cognitive dystunction, neurotransmitter disorders disorder is pain i.e. midraine, agute pain, persistent parn, neuropathic pain, noch epitive pain. The disorder is inflammation or a leakudystrophy. Pelicaeus Merzbarber disease, spinal cord injary, batulinum texin poisonira, Huntipaton's, compression, extrapment neuromycritis, disseminated encephalomyclitis, adrenoleskodycrophy, acute transverse myclifis, progressice multipaal leukogerephalopathy The preparation of a mode sould be appearably boostaxin properties. The populoes are useful for requiating the flow of sodium throads such channels in an individual and the treatment or presention of cardiovascular disorder. A conotoxin peptide of is useful to (i.e. Baten Lambert Syndrome) and reversal of curare and other neuromoreular blocking drugs. The neurological disorder is a s neuropathies i.e. ulmar nerve palsy, and carpal tunnel syndrome. sub acute secoresing panecepharomyclitis (SSPE), metachromatic including demyelinating diseases i.e. multiple sclerosis. disorders associated with collage gated ion channel disorders sufficeation, perinatal asphyxia or hypoglycaemic exects. The 9 Sel 7011

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N-PSDB: AAS11008.
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                                                                                                              Jones RM;
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86.2%;
                                                                                                                                                  War Kinder M.
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No. 1.20-10;
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The peptides are useful for regulating the flow of sodium through

in an individual and the treatment

sodium channels

Claim 15; Page 90;

277pp; English

selerosis .

Channel disorders, including demyelinating

superturily polypophides useful for treating softage dated con-

diseases

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Matches 25; Conser
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              including demyelinating diseases i.e. multiple selectosis, getic neuromyelitis, diseasinated acceptatomyelitis, attendence platopathy acute transverse myelitis, progressive multitood lonkoomeephalopathy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       bot. inoun toxin poisoning, Hontington's, compression, entrapment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       with acute were resting pane cophalism points (SSEE), metachromatic
                          olivera BM,
Layer PT, .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nearogutby: earpal tunnel syndrome; cardiovascular disorder; embetestive heart failure; cancer; immunosuppression; epicepsy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        demyelinating disease: multiple sclerosis; Huntindon's disease; mearquity; carpal tunnel syndrome; cardiozascular disorder;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     disorders associated with voltage gated ion channel disorders
                                                                                                                    (TIAH ) CONTENTATION.
                                                                                                                                                                                                              (a) 140°, 1999; 9908°, 017, 0754; 26°, 100 2006; 2006; 2007, 0214, 263; 26°, 001°, 2009; 2006; 924, 0412; 27°, 001°, 2006; 2006; 924, 0412;
                                                                                                                                                                                                                                                                                                                                                                          28-1:EC-2000; 2000MO 0845431
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             asthma: ischaemia; stroke; pain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           have smail; resupertually exactoxin; sodium channel;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "one stail
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-149512 AZ
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66.2%;
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Best Local Similarity
Matches 25: Censor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sub-orate sciencesing panes ephanomy-elitis (SSE), metache motio leubadystroph, Pellinera Morrbacher director, apidal cond injury. betuiltes trait prisedict. Huntimeter's
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  botalines takin prisoning, Budington's, compossion, entrapment neuropathies i.e. ulmar nerve palsy, and curpal tunnel syndrome. Cardineascelar disoptors, i.e. cardine arrhythmias and condestive heart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    demyelinatina disease; multiple sclerosis; Huntingdon's disease, neuropathy; carpal tunnel syndrome; cardiovascular disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAUnsber stundart: Peptide:
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changed disorders, including demonstrating diseases i.e. multiple
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ME12 2501-188452/44
28 1420 Legen: Legender 05354 41.
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                                                                                                                                                                                                                                                                                    Conus striatus
                                                                                                                                                                                                                                                                                                                                                                         asthma: ischaemia; stroke: pain
                                                                                                                                                                                                                                                                                                                                                                                                                       condestive heart tailure: cancer: immunosappression; epitepsy:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              67 TOWNS AND CARTEMACH PROGRESS IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              \alpha
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ∼ Superfamily genetoxin; sodium channel
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langeminated emorphalomymittin, udrenuleumodystryty.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 148; DR 22; Length 27;
Pred. No. 1.86 (b)
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nery March 84.08; Score 148; ldc.2; length fro
est Local Similarity 89.7%; Prod. No. 1.90 lo:
utobos 20; conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               consing event, and to treat disorders associated with radical depolarisation of exertable membranes by activating a KALP changel, the disorders include pardian, scalar and cerebral ischwenia and asthma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              preferably one associated with epilepsy. The neurological disorder is a neurologic injury associated with hypoxic, an winex low-beens. The neurologic injury is associated with streke, coreke expendit configure.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             addiction, cancer, counitize dystunction, nearotransmitter disorders (i.e. Eaten-Lambert syndrome) and removal of curary and other neuromascular blocking drugs. The neurological disorder is a seizure.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   betalinum toxin peisoning, Bantinaten's, compression, entrapment neuropathies i.e. uhar neuro palsy, and capal tuncel syndrome, entropassion disorders, i.e. cardia arch, hacas and senaest i.e. hentificione, reactive allosis, hyperdlysemmia, immunosuppression, cocarno lating, reactive allosis, hyperdlysemmia, immunosuppression, cocarno
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             neuromyelitis, disseminated encephajomyelitis, adrenoieskedystroghy,
a who transverse myelitis, progressiye meltingent beskevreghajog rby
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25, JUN 2000; 2000018; 0214226; 1,
25, JUL, 2000; 2000018; 0214446;
27, 0871-2000; 2000018; 024,6412;
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                                                   demyelinating disease; multiple selerosis; Huntingdom's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                          14 (R.I. Som)
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                                                                                                                                                                                                                                                                                                                                                      Guery Match Similarity 82.8%:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             alleviate pain is a mamma. It pain or about to be subjected to a causing event, and to treat disorders associated with radical depotational constraints according to according
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             disorder is pain i.e. migraine, gente pain, persistent pain, neuropathic pain, nociceptive pain. The disorder is inflammation or a cardiovascular disorder. A constoxio poptide of is useful to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             neuropathies i.e. ulmar nerve palsy, and carpat tunnet syndrome, cardio-cascular disorders, i.e. cardio-carrhythmias and consisting heart tailure, reactive gliosis, hyperplycaemia, immurosuperession, casaine-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         pretentially one associated with epitrepsy. The entertained disease is mean of air in injury associated with hypotic, anoxio or isobaculo. The neurotoxic injury associated with stroke, concluoussymbal archibut, brain or spinal cond trauma, myorardial interest, physical interest, brain or spinal cond trauma, myorardial interest, physical interest.
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Prod. No. 2.60-10;
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                                                                                                                                                                                                                  (i.e. Euton-Lambert sindrome) and reversal of curary and other neuronoscular blocking drugs. The neurological disorder is a scizary, preferrably one associated with hypoxia. The neurological disorder is a neurologic injury associated with hypoxia, anoxia or is basenia, the neurologic injury is associated with stroke, constronges of a periode trained to a spendal continuous myocardial interest, physical trauma.
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                                                           disorder is pain i.e. midialine, armte pain, persistent pain. Incompathic pain, nucleoptive pain. The disorder is inclammation or a cardiocascular disorder. A conotoxin peptide of is useful to allemate pain in a mammal in pain or about to be subjected to a pain capsulate pain in a mammal in pain or about to be subjected to a pain capsulate great, and to treat disorders associated with paintal depty at leation of excitation membranes by activation a RAH virtual.
                                                                                                                                                                                                                                                                                                                                                                                                                       leukodyetrophy, Telizaens Merzbacher disease, spinal vord injury, botulinam toxin poisoning, Huntington's, compression, entrapment neuropathies i.e. what herve palsy, and carpal tunnel syndrome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 including demyelinating diseases i.e. maltiple selecosis, optioned representations of the manufacture of the majoritis, and the contemporaries of the majoritis, progressive multiform is about ephalopathy.
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25 - JUL 2000; 26000S - 0219440
27 - 001 - 2000; 20000S - 0244412
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                                                                                                                                                                                                                                                                                                                                                       card cascular disorders, i.e. cardiac arrhythmias and condestite heart
tallure, reactive ditesis, hyperalyraemia, immunosuppression, roraine
addiction, cancer, countlye dystunction, neurotransmitter disorders
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         asthma; ischaemia; stroke; pain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         neutopathy: carpal tunnel syndrome: cardiovascular disorder; condestive heart failure; carcer; immunosuppression; cpileysy;
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Section 5
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                                             districts include cardies.
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                                                                                                                                                                                                  suttonation, perinatal asphyxia or hep-algebraic events. The
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                                             and reports. Is therein and is then
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                                                                  non-opathics i.e. winds here palsy, and carpai turned sympless cardiovascular disorders, i.e. cardiovascular disorders in cardiovascular disorders in cardiovascular disorders in hyperdycachia, immunosuppression, escarre addiction, care except country and the income transmitter its recent (i.e. Early last it syndrome) and reversal of surare and other neuromascular resching irons. The near classical disorder is easily and reversal of surare and other neuromascular resching irons.
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20 JUL 2000; Zebeds 0219440;
27 -001-2000; 20008-0243412
protocutory Durch assumpted with opticles; I converted to the converted with hypersia.
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babulinum taxin peisoning, Huntinston's, compression, entrapasa
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                           the sequence is a cone small observationally contactor peoplet. Below of people seed a through sold on the channels in an individual and the treatment or page execution of disorders associated with solvage quied for channel disorders, including disconting discontinuous control of the content of the conten
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channel disorders, including demyelinating diseases i.e. multiple
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dente transverse myelitis, progressive and titucal lenkoemeephalopathy
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79.4%;
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Best Local Similarity 92.8
1. Hoos 24; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Come small; o-superfamily concetexin; sodium channel; demyedinating disease; multiple selectis; Huntingdon's disease; neuropathy carpal turnel syndrome; cardiovascular disorder; conqestive heart tillare; cancer; immanusuppression; epilepsy;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           depolarisation of excitable membranes by activating a KATE channel. The disorders increase cardiac, ocular and extended ascheemia and a Campana.
                                     N-PSDB: AAS11006.
                                                                                                                     Wil Close to
                                                                                                                                                               (Chick ) COONFIEX INC
                                                                                                                                                                                                                                                                                                                                   24 P.F. Sugar
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New is superioritly polypophides useful for treating sollare dated con

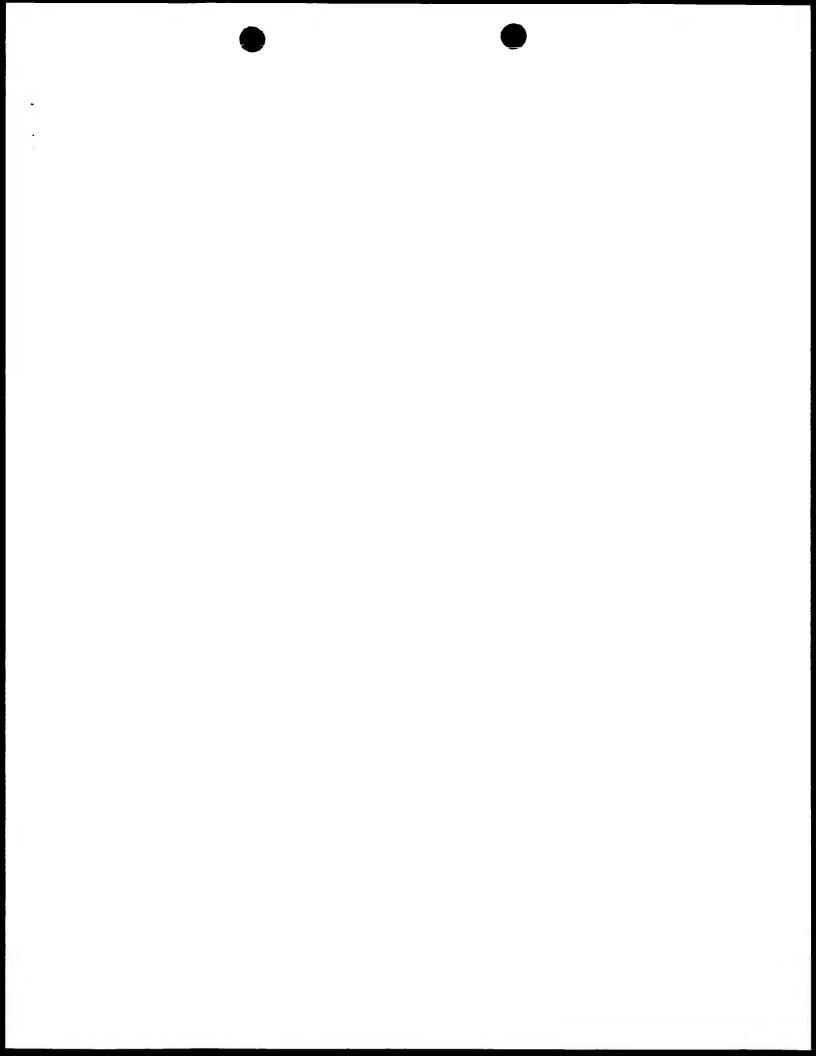
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89983
                                                                                       addiction, cancer, cognitive dysfunction, neurotransmitter disorders (i.e. Eaton-lambert syndrome) and reversal of ourses and other neuromoscular blocking drugs the neurolysical disorder is a solute, preterably one associated with oplines, the neurolastical disorder is a neurotoxic injury associated with hypoxia, anoxia or is hacked. The source oxic injury is associated with hypoxia, anoxia or is hacked. The source oxic injury is associated with strucker merebouses also drawn beautiful injury is associated with strucker or hyperbouses trained drownloas, sufficiently perfectly injury is associated with strucker or hyperbouses of the drownloas, sufficiently perfectly injury is a source oxider.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 aileviate pain in a mammal in pain or about to be subjected to a pain crassing event, and to treat disorders associated with radical depotatisation of eactuable negotiates by actitating a RACE change), the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         disorder is pain i.e. migraine, acute pain, persistent pain. neuropathic prin, nectoephize pain. The disorder is inflammation of a conditionascular disorder. A constant populated is used into
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                                                                                                                                                                                                                                                newstive heart fallure; career; immunosuppression; editers:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pone smail: O supertamily conotoxin; sodium channel:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 demyeritating disease; multiple scierosis; Huntingdon's disease;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     failure, reactive gliosis, hyperglycaemia, immunosuppression, cocaine
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    channel disorders, including demyeliharing diseases i.e. mailtiple
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2500008-0219449
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88.5%;
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Pred. No. 4.7e-09;
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RESULT 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Constant injury associated with hypoxia, associa or ischaems. The neurotoxic injury is associated with strong corebooxascular accident brain or spinal cord trauma, myocardial infarct, physical trauma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    neuropathics i.e. ulnar nerve palsy, and carpal tunnet syndrome. cardiorascular disorders, i.e. cardiorarrhythmias and consective heart failure, reactive gliosis, hyperdiyeacmia, immunesuppression, e saince
                                  domyclinating disease; multiple selerosis; Buntingdom's disease;
neuropathy; quijal tunnel syndrome; cardiovascular disorder;
cardestive beartifallure, cander; immunusuppression; epilepsy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The sequence is a cone small \(\alpha\)-superlamily conotoxin propertide. The peptides are useful for regulating the flow of sodium through sodium charmels in an individual and the treatment or preposition \(\alpha\)
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asthma; ischaemia; stroke; pain.
                                                                                                                                                                    CORE SHALL
                                                                                                                                                                                                                                             Cone smail
                                                                                                                                                                                                                                                                                                                                24-00 2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                  AAUDGOSS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AASSACRE Stability Deptids:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            neuromuscular blocking drugs. The neurological disorder is a selectory preferably one associated with epijepsy. The neurological disorder is
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neuromoscular blocking drugs. The neurological disorder is a selente,
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Local Similarity 59.0%;
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Fred. No. 5.5e-89;
5; Mismatches 4: Indels
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Coery Match

75.1% Some 10, 104.2
bost local Similarity 84.6% Pred. No. 1e us;
Matches 22 Conservative 1: Mismatches
                                                                                                                                                                                                                                                                                                                                                                       allegiate pain in a mammal in pain or about to be subjected to a pain coordinatewart, and to treat disorders associated with radical depolarisation of excitable membranes by activating a KAF channel, the ottabless include varitae, oralar and corebral isobachia and asthma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     disorder is pain i.e. migraine, acute pain, persistent pain, no circupathic pain, no circuptive pain. The disorder is inflammation or a cardiovascular disorder. A constoxin peptide of is useful to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 neutotoxic injury is associated with stroke, ecrebrovascular accident, beam or spinal cord trauma, myneardial intarct, physical trauma, drownings, sufficeation, perihafal asphyxia or hypoglycaemic events. The
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26 JEN 20009; 200008-0214263;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          neurotoxic injury associated with hypoxia, anexia or ischaemia. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              nescommscular blocking drugs. The neurological disorder is a seizure, preferably one associated with epilepsy. The neurological disorder is a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  leikodystrophy. Pelizaens Merzbacher disease, spinal cord injury, botalinum toxin poisoning, Huntinaton's, compression, entrapment
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| ESULT 1 IS 08 682 485A 4 Sequence 4. Application US/U8682485A Sequence 1786-556 CENERAL TRESLATION. |
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| APPLICANT: ATKINSON, RONALD K APPLICANT: HOWERN, MERLIN E.H. APPLICANT: "TOE, MARTARET II |
| idal loxins b |
| Fl (Attix) |
| OFFICE FACTOR'S ADDRESS: ADDRESSEE: Zeneog, Inc. |
| : 1200 South |
| CITY: Richmond |
| COUNTRY: USA |
| COMPUTER REALABLE FORM: |
| MILLUM TYPE: Floppy disk |
| OPERATING SYSTEM: FOUNDATIONS OPERATING SYSTEM: FOUNDATIONS |
| SOFTWARE: Patentin kelease #1.0, Version #1.25 |
| ATTING DATE: |
| CLASSIEJCALION: 424 |
| ANTITIMATI WINDOWN 1877-97682,485 |
| PHLING DATE: 17 JULY-1996 |
| 613 1.1NS DATE: 27 JULY 1994 |
| APPLICATION NUMBER. WE STYTSTON FILING DATE: SE-JAN-1993 |
| AFELICATION NUMBER: AU PLO722 |
| ATTERNEY/ACTENT INFERNALION: |
| NAME: Shaw, Wellska A. |
| FORESCALL CARD ACTED 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| TELEPHONE: \$10.231-1542 |
| THEORIAX: 510-23(-1112) |
| SEMPENCE CHARACTER(STICS: LENGTH: 37 amino acids |
| TYFE, amino acid TOPOLOGY: timbar |
| MOLESULE TYPE: petrols |

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NUMBER OF SPOURNESS: 26.
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LENGTH: 87 amino acids
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CURRENT AFFILMATION DATA:
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INFORMATION: 2016 "this site may be amidated without other information: or biological activity"
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APPLICATION NUMBER: AT PLOTEE
FILING DATE: 81-JAN 1992
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: Patent No. 5241011
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TELEPAX: (801) 56-1750
INECEMATION FOR SIGN NO. (
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FALARAMIN, FERE ROMBING OF
TELEPRAMININGALIEN INFORMATION:
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NAME: Western, M. Wayne
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AFFELICANT: Baldomero M.
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LENGIH: 78 amino acids
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CURRENT APPLICATION DATA:
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Supported Application of Statement No. 58855569
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TELEPAX: 202-962-8300
TRICKATON IN FIGURE IN NO. 13:
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APPLICANI: Shift, Michaelle M.

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APPLICATION WOMBER: 05 08
FILING DATE: 07-001-1994
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SMHOUER READABLE FORM:
MEDIUM TYPE: Floppy Hisk
COMPUTER : HAM PO COMPOSITE PLO
COMPUTER: HIM PO COMPOSITE PLO
CONTRACTION SYSTEM: POCHOS/METICS
SOFIMARE: Patentin Roloase #1.0, Version #1.4,
CHAREN APPLICATION DATA.
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LENGTH: 78 and no acids
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REDISIRATION NUMBER: 28,957
RESERVENCE/POWERT NUMBER: 24,260-107674-5
TELESTORMOUNDALION INFORMATION:
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Bost Local Similarity (46.4%; Bred. No. 6.29;
Matchas B., Conservative Z. Mismatches II. Indels
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PARKENT AFFILIZATION DATA:
AFFILIZATION TOWNS: UC/90/716,408
FILIN: CATE: 24 SEP-1996
FILIN: CATE: 24 SEP-1996
FILIN: CATE: 42 SEP-1996
FILIN: CATE: AFFILIATE
AFFILIATION FATA: POL/995/49677
FILIN: DATE: 27 MAR 1595
FROM AFFILIATION FATA: GB 9405951,6
FILING FATE: 25-MAR-1994
ATTICRNIY/AFFILI INCOMPALION:
NAME: UFA FILING FATE: 1500 FILING FATE: 25-MAR-1994
ATTICRNIY/AFFILI INCOMPALION:
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SYLUEN T. INFORMATION FOR SEQ ID NO: 2:
SYLUEN T. INFORMERICALING:
LENGTH: 78 amino acids
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                                *METTER REALANDED FARE
METTER THE FLOOR JESK
COMPUTERS THAT IS COMPUTED TO SETTING THE STREET OF THE PROPERTY 
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IIFLE OF INVENTION: Biological (Escot Control Agent
NUMBER OF SEQUENCES: 18
CTRRESPONDENCE ADDRESS:
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BEZISTANTON NUMBER: 27,712
SEPTEMBER; "FET NUMBER: 34
HELIO HMENICATION INFERMATION:
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TITLE OF INVENTION. Michalical Insect Control Agent
NUMBER of SECURINGS: 18
CORRESPONDENCE ADDRESS:
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MILTON TYPE: FLAFFY dick
COMPUTER: LMM FOR COMPUTER: LM PC COMPUTER:
**FERALING GROTEM: FC prs/MS-D 8
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24 - SEP - 1996
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No. 0.29; Matches 18; Connervative 2; Mismatches
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SEQUENTE CHARACTERISTICS:
LENGTH, 78 and 16:
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APPLICANT: MATSL MATERI
APPLICANT: Billyard, David k.
APPLICANT: Billyard, David k.
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ALD-PREE/ACTINE (NFSMALLSE)
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FILLING DATE: 17-APR 1996
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ACCORDENCEMBER: NATION:
NAME: Westorn, M. Wayno
RESISTRATION NUMBER: 21,78
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APPLICANT: Baidometo M. Oliveta
TETLE of ENVENTION: Secretated Folding Determinants
TITLE of INVENTION: 101 Small Cisultibe-Rich Peptides
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                                                                                                                                                                                                                                                Lordy Motth (2.8%)
host Local Similarity (47,8%)
Matches II: Canservative
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APPLICATION SUSAL.

FILING CATE: 27 JMY 1994

APPLICATION NUMBER, W. 92/1008

FILING CATE: 29 JAN 1994

AREL TATEON NUMBER, ACTION 722

FILING CATE: 21 JAN 1992

ACTION CATE: 21 JAN 1992

ACTION SALW, ACTION CONTROL OF ACTION 1891

ACTION NUMBER, ACTION 722

ACTION NUMBER, ACTION 723

ACTION NUMBER, ACTION 723

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EXTERN SALW, MCHE
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PH 9 APPLICATION 1ATA:
APPLICATI NUMBER: 72.18,78

FILLING DATE: 17.1017,1906

APPLICATION NUMBER: 01,089,78

FILLING DATE: 27.001X 1904
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MELIUM TYPE: Floppy disk
COMPUTER: TRM for Longartible
AFFEATING SYSTEM, FOR Longer FOR
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT AFFILCATION FAIA.
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ATELIANT VONARX TANARI J
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4 *TIPSOUPCPYNEN--CCSUSCIF 24
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                                                                                                                        "IPSGULGERSDHIGUGSGKCAF 26
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1209 South 47th Street
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Pred. No. 1.3;
F: Mismatches 7; Indees
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REMIT CHARACTER WHERE A CONTROL STATE IN METHOD AS A CONTROL STATE IN METHOD AS A CONTROL STATE IN THE STATE 
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. Patent No. 5959182
                                                                                                                                                uery Match (2.8%; Score 58; DR Best Local Similarity 47.8%; Pred. No. 1.5; Matches II; Conservative (4. Mismatches
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CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION HTMRCF 1900-0100
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COMPRIEW: IRM PO COMPALIBLE
OPERATING SYSTEM: PC-POS/MS-DOS
SCETWAFF Follow: Follow #1 0, Vorsion #1.25
CURKERL AFFLICATION DAIA:
AFFLICATION HOMSEK, US/05/933,314
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ANTILIDAM: B WIED, MCHILL E. H.
ANTILIDAM: IVLIE, MAKGAMET I
ANTILICANT: V-NARX, EDWARD J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
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ATTEMENT JAN-1992
ATTEMENT JAN-1992
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MEDIUM TYPE: Floppy
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FILLING DATE: 27 JULY-1994
APELICATI N NOMBER, WE-93/
FILLING DATE: 25 JAN 1593
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CITY: Fichmond
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4 CIPSGOPTENBN--0080870F 24
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IIS-08-682-485A-2

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. HAME/PETY. VASIANT
. OTHER INFORMATION: Xaa is gamma-Carboxyglutamic acid.
. OS 136.765A 16
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                                                                                        Mattehoss
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                                                                                                          West Borst Similarity 41.4%; Frod. No. 2:
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                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Boopstoff, Poton
LITTE OF INVENTION. COMPRETINES
FILE REFERENCE: 50065/002001
CUBREN APPLICATION BUNDER: 35/05/136,769A
CUBRUN FILING DATE: 1998-08-19
NUMBER OF SEQ ID NES: 26
SOFTWARE: FUSISED TOT Windows Version 4.0
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APPLICANT: Furie, Barbara
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APELITANI: Entie, Barbara
APELITANI: Stenio, Johan
APELITANI: Rieb; Alau C.
APELITANI: Roepstoff; Petr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Rigby, Alan C
APPLICANT: Roopstoff, Pec
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TITLE OF INVENTION: CONDEPTIDES
TITLE OF AFFILIATION CONDERVISES
CHROCEL AFFILIATION HONDER, 007/25/2 of 750-A
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CUBRING AFFILMATION DATA:
AFFILMATION RUBLES. COSE,7852,486A
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APPLICANT: HOWDEN, MERCIN E.H.
APPLICANT: TYLER, MARCARET I
APPLICANT: VONARX, EDWARD J
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AITOKNUY/AGURI INESKMAITON:
NAME: Shaw, Melissa A.
REGISTRATION NUMBER: 48,
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FILING DATE: 27 JULy 1994
FILING DATE: 27 JULy 1994
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COMPUTER: IBM PC computible
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FILLED LATE OF NUMBERS W 92/71
FILLED LATE OF STAN 1994
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FILLED LATE STAN NAME STAN MALISSEE
NAME STAN MALISSEE A.
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REFERENCE/CURIT NUMBER: 700,000
TELECOMMUNICATION INFORMATION:
LEAFFMONE: $10-201-1112
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A-MRUTER: IRM PC compatible
A-PERATING SYSIEM: PC-D-08/MS-10-8
SOFTWARE: Patentin Pologoo #1 0 Vorsion, #1 25
STEPERAT APPLICATION DATA:
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SikeEff: 1200 South 47th Street
C.TY: kichmond
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EMBL: AF193261; AAF07972.1; s.
LiberPro: 1F8004214; Comotoxin.
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EMBL: AF193269; AAF07980.1;
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                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                  PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRELIMINARY:
                                                                                                                                                                                                                                                                                                                                                                                          H5QN MW: R5724ACNEGESSEEDT TRE64
                                                                                                                                                                                                                                                                                                                     36.7%;
50.0%;
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                                                                                                                                                                                                                                                                                                    1: Mismatches
                                                                                                                                                                                                                                                                                                                     Pred. No. 0.02;
                                                                                                                                                                                                                                                                                                                                     Sec. 110 65;
                                                                                                                                  FKT;
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                                                                                                                                    75 AA
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                                                                                                                                                                                                                                                                                                    10; Indels
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                                                                                                                                                                                                                                                                                                                                                                       unery Match (5.3%)
Hest Local Similarity 48.1%.
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                watery Match 96.2%, Score 64;
Best Local Similarity 50.0%; Fred. No.
Matches 12, Cosservative 0, Mishado
                                                                                                  ©98881;
01.JUN-2001 (TrEMB.Jel. 17, Created)
01.JUN-2001 (TrEMB.Jel. 17, Last separace update)
01-DEC-2001 (TrEMB.Jel. 19, Last amodation update)
                                                     Enkaryota: Metazoa - Mollosca: Gastropoda: Cachodastropoda:
Neodastropoda: Concidea: Canidae: Canes.
                                                                                        Conus arenatus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-JDN 2001 (HEMBLIGH 17, Created)
01-JDN 2001 (HEMBLIGH 17, Last sequence update)
01-DEC-2001 (TEMBLIGH 19, Last admoration update)
CARGSXIR SERTESE V/VII FRETURGUE.
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Mol. Biol. Evol. 8:120-131(2001).
BMRL. ART9126: ART97979-1.
InterFro. IPE6042.4. Constexin.
Plan: PF02950: Conotoxin: 1.
SECULENCE TO AA: 9164 MW: 68124AEBEC04ABDF CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cons archatus.
   SEQUENCE PERM N.A
                                    E761_Fax10 39451;
                                                   Necodas tropoda;
                                                                                                                                                                                                        OARBRI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  InterPro: IPR004214: Conotexin.
Pram: PF02950: Conotexin: 1.
SEQUENCE: 78 AA: 8482 MW: 414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Mechanisms for Explaina Hypervariability: The Case of Compequides.": Mol. Biol. Exol. 18:120 [31(2001)]. ERHL, AP215106; AAG505271]. . ERHL: AP21503B; AAG50466.1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIANE-21105959: PubMed 11158(7):
Contidelto S.G., Gilad Y., Avidan N., Fon Ashor E., Tony Z.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NCHI_TaxID 89451;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bakaryota: Metazba, Mollusta, Gastropoda; Caenodastropoda;
Neonastropoda; Compidea; Comidae; Canos.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ұчин⊌4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Fainzilber M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NCBI_TaxID 6494;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Fainzilber M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                    52 CVDGGIFCGFPKL3GP3CSGWC1FVCL 78
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                                                                                                                                                                                                        PRELIMINARY;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8482 MW; 41.6E5911851848427 CRC44;
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L: Mismatches
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West Local Similarity (4.5%)
The Configuration
                                                                                                                        Conus contricosus (Moditerranean conc).
Lakarpota: Motazoa: Moditosca: Castropoda: Caenoqustropoda:
Novaqustropoda: Concidea: Conidae: Conus.
Notalia: D-117992:
                                                                                                                                                                                        CONOTOXIN SCAFFOLD VI/VII.
                                                                                                                                                                                              NI-JUN 2001 (TrEMBLrel 17, Greated)
NI-JUN-2001 (TrEMBLrel 17, Gast Sequence update)
SI-PBY 2001 (TrEMBLrel 19, Last annotation update)
                                                                                                                                                                                                                                                                 SAME OF
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Eukerpota: Metazwa: Meditasca: Sastropoda: Caerogandropoda
Neonastropoda: Coneddoa: Conidae; Cones
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OI-JUN-2001 (TREMBERGL 17, last sequence update)
OI-DEC-2001 (TREMBERGL 17, last annotation update)
CONDITION STAFFELD VI/VII.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE 2019/5969: PobMed*11188871;
Notificetic S.G., Silad Y., Avidan N., Ben-Asher E., Levy Z.,
Fainzilber M.;
            "Me hardisms for Evolvina Hypercariability, the Case of Congeptides," Med. ECol. Evol. (8:120\text{-}131(2)01). BMFL: AF215\sigma2: AAC6\sigma4\sigma4.)
                                                         Fainzicher M.;
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MERITINE 2116569: Formed 11174671:
Continents S.G., Gilad V., Avidan N., Ben-Asher E., Lovy Z.,
Faingilber M.:
                                                                   MEGLINE ZITUS969: PabMed ITT56371;
Poptionalo S.G., Gilad Y., Avidan N., Ben-Asker E., Lewy Z.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CARRAS
Interfero; IPkou4214; Constoxin.
                                                                                                  SECTENT FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Etano Tro2950: Cómbotoxin: 1.
SEQUENTE: 77 AA: ROCCEMB: 7200000441940000 OBOK4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Morehamisms for Exploring Hypermariability: The Case of Superprides.": Mod. Rical Expl. Thirty of El(2001).
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AF215034; AA360462.1;
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AF215057: AAG60485.
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New 1., 163-16
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Best Local Similarity
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Best Local Similarity
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NCN_IER 87
NON_IER 87
S122TENTH 87
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SEQUENCE 75 AA: 3561 MW; AED563E95C903928 CRC64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SMART; SM00192: LDLa: 6.
SMART; SM00209; ISP1; 1.
SMART: SM00216; VWD; 1.
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Eukanyota: Meraroa: Chordata: Tambata: Vertebrata: Euteto stobi
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6: JAN 1999 (Hambeliel 19), bust repende sphale)
wi-DEC-2001 (Hambeliel 19, bust annotation sphale
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FR-SITE: [3312 : 2516A_1; 4. PROSITE: PS5006b; LDLRA 2; 6. PROSITE: PS50092; TSP1: 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Fram: PFO0090; tsp_l: 1.
Fram: PFO0094; twd; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Submitted (971-1898) to the EMBL/hedensk/1990 databases EMBL: v_{\rm 100}55 : (AAR-9862.1) \circ
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SEQUENCY TREE N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ptam; PF010057; ldl_recopt_a;
Ptam; PF01826; TIL; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            InterPro: IPR002172; LbL_recept_A.
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                                                                                                                                                497 OVPHOWINDMEDBRIDERBERRALKVORFDVSGCSGRC 536
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                                                                                                                                                                                                                                                          4 CIPSODE PESDIIG -----
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870 //
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1: Mismatches
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Pred. No. 1.5;
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01 NOV 1998 (InfMMLrel. 08, Treated) 01-NOV 1998 (InfMMLrel. 08, Tast Sequence update) 01-DEC-2001 (InfMMLrel. 19, Last admodation update)

CONCITOXIN-LIKE PROTEIN.

Buzura suppressaria nuclear polyhedrosis virus (BsNPV)

089743;

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PROTEININARY;

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5.5 AA

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                                                                                   ed MAY 2000 (TrEMBLIEL, 13, Steated)
01 MAY 2000 (TrEMBLIEL, 13, Last sequence update)
01 DBY 2000 (TrEMBLIEL, 19, Last amortation update)
17 DBY 2000 (ARCHAIN LAVIE (SEALMENT).
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Dukaryota: Metazoa; Mollusea; Gastropoda; Gaenouastropoda
Mesenstropoda; Conoidea; Ganidae; Cones.
NUC (axilo 09426)
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ol MAY 1999 (TEMBLIEL 10, Last sequence update)
ol DEC 2001 (TEMBLIEL 19, Last annotation update)
conoroxin-like protein.
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Virus Res. 55:71-82(1998).
EMBL: AF0459-66; AAC-04-72.1;
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Lymantria dispar.":
Virology 253:17-34(1999).
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Viruses: dsDNA wiruses, us RNA state: Bacuroviiidae:
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"Nemotic organization of the Hindill-I region of the single-
"Nemotic organization of the Hindill-I region of the single-
                                                                                                                                                                                                                                            - Miller
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEGLINE 99124785; PubMed 9887315;
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N'81, LaxID 74320;
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SIRAIN 2, AND 1;
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41. ATARCHES. - 41. - 1
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Query Match 32.5\%; Score 52.5; Dk 5; Lougth 71; Best Local Similarity 44.0\%; Prod. No. 9.25; Models Mitthes 11. Conservation 1; Presentator 6; Indees
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EMMI ARR89940 AADAH194.11
EMMI ARR89940 AADAH195.11
EMBL AFR89940 AADAH212.11
EMBL AFR89957 AADAH215.11
EMBL AFR89960 AADAH216.11
EMBL AFR89963 AADAH218.11
EMBL AFR89963 AADAH220.11
EMBL AFR89965 AADAH221.11
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Dada Lit. Jr., Falumbo S.K.:

"Molecular genetics of eculear-an disersitivation; application rapid evolution of toxin genes of the genemous dastroped comes
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Neodastropoda, Comendea, Comidae, Paras,
N-MC_Laxib B-012.
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01-MAY-2000 (THEMFRIED, 13, Last sequence update)
01-MAY-2000 (THEMFRIED, 15, Last sequence update)
01-PEC-2001 (THEMFRIED, 15, Last sequence update)
PER 1991 (THEMFRIED)
                                                                                                                                                                                    Ptam; PF02950; Conotoxin; 1.
NON_TER | 1 | 1
SEQUENCE | 21 AA, | 2.45 MW.
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EMHL: AF089979; AAD48225.1:
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4 CLESCOLOFKSUH GOOSGKOAFVO 28
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AF089936; AAD48191.1;
AF089937; AAD48192.1;
AF089938, AAD48193.1;
                                                                                                                                                                                                                                                                         IPMod4214; Smotoxin.
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                                                                             42.5%; Secret 57.5; DB 5; Legath 71; 14.6%; Pred. No. 5.25;
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                                                      AMISTON, AHLA
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                                                                                                                                            Query Match 32.5%; Score 57.5; DR 5; Length 71; West Local Similarity 44.0%; Pred. No. 0.25; Matches 11; Conservative 4; Mismatches 5; Indels
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Eukary ta: Metazoa: Meilusea: Gastropeda: Tuemetustropeda:
Necdastropeda: Concidea: Conidae: Conus.
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"Mo.e-wiar genetics of evolvated diversification, depit ation and rapid evolution of toxin senes of the venomous distropod Conus."; From Natl. Acad. Sci. U.C.A. 96,6820-6823(1999).
EMBL. AF08991; AMD48196.1: ".
EMBL. AF08991; AMD48196.1: ".
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01-MAY-2000 (TrEMHLrel. 13, Last sequence update)
51-DEC-2001 (TrEMHLrel. 19, Last unnotation update)
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Needastropeda; Concidea; Conidae; Conus,
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oi-MAY 2000 (TrEMBLIEL 1), Last sequence update)
oi-HEC-2001 (TLEMBLIEL 1), Last annotation update)
F-dR-Loge CONSTEXIN LAVUE (FRACHENI).
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Pram: PF02950; Conotoxin; 1.
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1 CIPSCDLCFRSDHIGGCSGKCAFVC 28
                                                                        4 CIPSCHADERSHHICCESCKCAFVC 28
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Flam, PP02950, Coloraxia; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NCB1_Fax1D 6494;
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SECTION 1. FROM M.A.

"Frequency Sequences of Constants from Course textilion",

"Frequency Sequences of Constants from Course textilion",

Submitted (AFR 1999) to the EMBL/PenBank/MAPTIC MEMBAARDO, HERY ECH.

11. FROMITY M. OMETA-COUNT ATTEX ACT AT FROMING MEMBAARDO, HERY ECH.

12. SUBCLETION FROMITY CHARTELES (By. similar 1999)

13. SUBCLETION FROM TOWN CONSTANT PROBLEM (BY. SIMILAR 1999)

14. SUBCLETION BROWN CONSTANT MEMBERS (BY. SIMILAR 1999)
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DISULFID
DISULFID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       the European Richtormatics Institute. There are no testrictions on use ty non-profit institutions as long as its output is in wo mentified and this statement is not removed. Usage by and for commercentities requires a first approach (2014) and the commercentities requires a first approach (2014).
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[6-98] 2001 (Ref. 40, Last sequence update)
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[80] 300 (Ref. 40, Last amodation update)
[80] 300 (Ref. 40, Last amodation update)
                                                                                                                                                                                                                                                                                              | FreeSynaptic neurotoxin; Calcium channel inhibitor: Venom: Signal. | 2.4 | POTENTIAL. | PROPER | 23 | 52 | POTENTIAL. | PROPER | 23 | 52 | POTENTIAL. | PROPER | 23 | 54 | POTENTIAL. | PROPERTIAL | PROPERTY |
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15.JHL-1999 (Rel. 88, Created)
10.MAY-2000 (Rel. 89, Last sequence update)
10.MAY-2000 (Rel. 39, Last annotation update)
10.Alcohol dehydroschasy vitas IV (E. 1.1.1.1) (Retinol dehydroschase)
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                                                                                            of insect voltage gated calcium channels.":
Eur. J. Hiochem. 254:488-494 (1979).
Eur. J. Hiochem. 254:488-494 (1979).
EURCHION: HHH GIB THEEDI. EUI B CHAMMALIAN, VOLIMIESTALED CALCIUM CHANNE. CUBRENIS.
EURCHIMIAR LEGALEN: Secretad.
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Wang X.-H., Smitt K., Flotober I.I., Wilson H., Wood C.I.,
Morlin E.H., King J.F.,
"Stipediated Duction Styles I waste potential of the con-
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! FUNCTION: INHIBITS INSECT, BUT RET MAMMALIAN, VOLIAGE GAIRD CALCIUM CHANNEL CURRENTS.
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Biadronyche versuta (B) ne mountains tunnel web spider) (Afrax
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-1- DISSUE SPECIFICITY: Produced by the
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MEDLINE-21336545; FibMed 1133356;
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                                           Constration (Math-graph cone).
Eukaryota: Metazoa: Meliusoa: Gastropeda: Caemoquetropoda:
Neoquatropoda: Considea: Conidae: Comus.

        Presymptic neurofoxin
        Calcium channel inhibitor; Venom.

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J. Neurochem, 67,2155-2155(1956).
i. FUNCTION: OMEGA-CONSTEXINS ACT AT TRESYNAPTIC METHERANES, THEY AND BLOCK THE CALCIUM CHANNELS. ACT ON HIGH VOLTAGE-ACTIVATED CHANN. CALCIUM CURRENIS IN MOLLUSCAN NEURONS.
SEQUENCE FROM N.A
                              N'B: [axID-6491;
                                                                                                        16-0-1-2001 (Ref. 40, Greated)
16-0-1-2001 (Ref. 40, Greated)
16-0-1-2001 (Ref. 40, last smallerist splate)
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1- MASS SPECTPOMETRY- MW 479.2; MW_EBE-0.6; METHOD-Electrospray.
1- SIMILARITY: BELONGS TO THE OMEGA-TYPE CONDITIONS FAMILY.
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ONSE_ORYLA DIANDARD; PRT; 352 MA.

PRT;365;
15-JUL-1998 (kel. 36, Created)
15-JUL-1998 (kel. 36, Last sequence update)
15-JUL-1998 (kel. 36, Last annotation update)
Blue sensitive opsin (Riue cone photoreceptor pigment) (RFH-B).
Cry-ide Latipes (Medaka fish).

Enkaryota Metacoa; Chordara; Craniata; Vertebrata; Entelegated;
Butaryota; Metacoa; Chordara; Craniata; Vertebrata; Entelegated;
Actinopteryali; Neoptoryali; Felcostei; Entelegated;

Actinopteryali; Acamothopteryali; Percomorpha; Atherinomorpha;
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              This SWESS PROT ORRY is expyriable. It is produced through a collaboration between the Swiss Institute of Biointermalies and the EMRL outstation that Buropeau Biointermatics institute. There are no test; of bus on use by non-profit institutions as long as its content is in no way
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Submitted (MAP 1997) ( The 1997) (N. P.) 100AT databases.
-!- FUNCTION: VISUAL FISHERIS ARE THE LIGHT ARROUGHDS MOLECULES THAT
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J. Neuroschem, 67,2455-246 (1905).

J. PERCTICH: SMESA CONCENTRE ACT ACTEMENYBACTE BEBBEARDS, THEY I AND ELSEN THE CALCIUM CHARMILL. ACT ACT HIGH VALTAGE ACTIVATED AND ELSEN THE CARCIUM, SECRETAR, ACTIVATED (19VA), CALCIUM CHARMILS IN BELICHEAN NUCLEURS. ACTIVATED SUBSEQUENT SECRETARY: MW 2667-7, MW ERF O. C. METROP Elsent-spray. SEMILARITY: BELICHEAN TASSECTIONS OF HEIGHBOURS. TASSECTIONS OF HEIGHBOURS. TASSECTIONS OF HEIGHBOURS.
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                                                                                                                                                                                                                                                      Figure 3 Hart M.;
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PROSTIE: PSU0282; KAZAL; FALSE NEST.
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THE SUB-ELLULAR LOCATION: SECRETED LOCATION CONTROLORS AND CONTROLORS
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Best Local Similarity 43.5
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Hadronyche versuta (Blue mointains tunnel web spider) (Airax
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Se Juenee litle: Perfect score: Kan on: M protein - protein search, using sw model Parched. oring table: BLOSUM62 Gapop 10.0 , Gapext 0.5 283138 seqs, 96089334 residues 1 LRWCIPSGDLCERSDHIGGESGKCAFVCL 29 US-09-749-537A-270 177 September 19, 2002, 09:15:13. Copyright (a) 1897 - 2000 Compagen Ltd. . Scarch time 26.50 Schools (without alignments)
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Post-provissing: Minimum Match 0% Maximum Match 150% Listing first 45 summaries

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SUMMARIES

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| CHETY MATCH First Local Similarity ARCHY, Prod. No. v.H: Matches 1:: "Sharrative 2: Mishatches 1:: Indels 2: Mass 2: Matches 1:: "Sharrative 2: Mishatches 1:: Indels 2: Mass 2: 4 | RESULT 1 Sly619 delta-veno-temin Talls (vene shell (elema textile) CrSpecies: Comus textile (cloth-or-gold come) CrSpecies: 19-Mar-1997 #Scynerec_revision 11 Apr 1997 #text_channe [6-Jail]999 CrDate: 19-Mar-1997 #Scynerec_revision 1Apr 1997 #text_channe [6-Jail]999 CrEnte: 19-Mar-1997 #Scynerec_revision 1Apr 1997 #text_channe [6-Jail]999 CrEnte: 19-Mar-1997 #Scynerec_revision A.: Spira, M.E.: Zlorkin, E. Rifall: 10-Mar-1997 #Scynerec_revision A.: Spira, M.E.: Zlorkin, E. Pur, J. Bischem, Z., **Scynerec_revision A.: Spira, M.E.: Zlorkin, E. Pur, J. Bischem, Z., **Scynerec_revision to venom of comus textile newtrantlas. A.: Article Mollusces specific toxins from the venom of comus textile newtrantlas. A.: Arcession: Sly9-19 A.: Mollusces 1-27 (FA) A.: Mollusces 1-27 (FA) A.: Mollusces 1-27 (FA) CrSuperials: M. U. **Schrößen Channel inhibitor: venom CrSuperials: M. U. **Schrößen Channel inhibitor: venom Erz 17,9-21,16-25/Disultide bonds: #statas predicted |
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File 28 March - A Jan W. H. CAVIA # Not a respective that
File 8 H, 60-72,67 77/Disullide bonds: #status predicted
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Agenty Match (2.2%)
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Matches 9: Conservative
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Virolegy 229, 381-399, 1997
A:Title: The sequence of the orayia pseudofsunara multinuctowcapsid nuclear polyhodro
A:Reference number: 212511: MUTE:92271400
A:Accession: T10405
A:3140as, profundary, translated from hy/2251/TibJ
                                                                                                                                                                                                                                                                                                                                                                                                                      C:Species: orgyla pseudotsualita nuclear polyhedrosis virus, opmNPV
C.Date. 16 Jul 1909 #sequence_recision 16 Jul 1909 #text change 17
C:Accession: 110405
                                                                                                                                            A.Status. Profilement, translated tram NyCMH /Tind
Armologue type: INA
Armologue: 1-54 AHR
A.Gross references. EMBL-975930, NID:q294993; principal911-82
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A.Residues: 1 53 KS
A.Stoss iditions: 1
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A;Status profit har
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Virology 253, 17-34, 1999
ArTitle: Sequence and analysis of the genome of a baculovirus pathogonic tor Lymantri
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                            Query Match 33.1%; Score %8.5; Deest Local Similarity 44.8%; Pred. No. 1 5;
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Best Local Similarity 44.8%;
Matches
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   1 to Comstitution
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81-399, 1997
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hypothetical protein 0x0471c - Mycchaeterium tuberculosis (strain HT7FV)

.Species: Mycobacterium tobercolosis Jate: 17 Jul 1998 #Dequebo_bection 17 Jul 1998 #text,change 28 Int 2000

C; Accession: 070829

Ricole, S.F.: Brosch, R.: Parkhill, J.: Garbier, L.: Churcher, C.: Barris, D.: Gerben Common, R.: Davies, R.: Declin, R.: Ecliwell, L.: Garles, S.: Bunche, N.: Balogi, Fajusiream, M.A.: expers, J.: molter, S.: Screper, R.: Skelton, S.: Spones, S. Nature 99, 537-544, 1998

A;Authors: Squres, K.; Sulston, J.E.; Laylor, K.; Whitehead, S.; Burrell, Bos. A;Title: Deciphering the biology of Mycoberterium tuber of district of the comple · · · · | · | mb · · ·

A; Reterence number: A705be: MUID: 98295987

A; Molecule type: DNA A; Residues: 1-1/2 - 0 Ar Status: preliminary: uncode acid sequence not shown: translation and shown

Address totologooss (Beat 2) etc. Beather et notes action for a value (A). A; Experimental source: strain H*/F.

OrSuperfamily: Mymobarterium tuberrulesis bypothetical protein Koeld:

Mismatches

148 2) - Length 162;

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apton who life the present apriles (Aptietible actions); WARITOTEMES: Inserticidal peptide Aps III
Clippedes: Aptositehus schlibueri
Clipate: 20 Apa-1999 #scapense_revision 20 App 1999 #text_chara 24 Mag-2001
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Residnes: 1-312 kWHL,
ACCross retriences: PMPL/C+ -85, FHHLTME 763a.1, USHGELEV
ACEXPERIMENTAL SOURCE: clone MCHES
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A:Reference number: Z19777
A:Accession: 128646
                          Riskinner, W.S.; Dennis, P.A.; Li, J.P.; Ouistad, G.B.
Toxison (c. 1043-1050, 1992)
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C:Superfuncioy: Sillucia
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R:Bahr, U.: Tidona, C A : Darai, G.
Virus Genes 15, 235-245, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   probable antibiotic polypeptide. Chilo tridescent virus
C:Species: Ctilo fridescent virus
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:Molecule type: DNA
:Residues: 1-54 cBAH.
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                 60, 1043-1050, 1992
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A: Status: preliminary; not compared with conceptual translation
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As Trace relation to the Manuels Wilson's Park FIDE ANALYSIS and the ASSET OF MINISTERS IN VISOL 66, 656 4-6571, 1992
As Title. Characterization of a bacalowinus gene encoding a small conotaxinike polype As Reference number: A44003; MRID: 93021384
As Accession: A44003
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C:Superfamily: RING finger homology
F;288 356/Dommin: RING finder homology
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A;Molecule type: bNA
A;Residues: 1-53 <AYR>
                                                                                                                                                                                                                                                                                                 KrAyres, M.D.: Howard, S.C.: Kuzio, J.: Lopez-Ferber, M.: Posser, K.I.
Virolany 202. 586-665, 1994
A.Hitle: The complete LNA sequence of Autofrapha californica market polyhedrosis vir
A.Reference number, A72856, MCHEL94 803173
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ArNote: dsbNA virus
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A:Neter pesperaen extraetod from NUBL backbake (NCB:P:119526)
htKeywords: Jis Jfide tond: toxid: recom
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A:Mosidues: 1-87 dSK!
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A; kesidnes: 1-677 < BF
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C:Species: Schizosaccharomyces pombe
C:Date: 03-bee-1999 #Sequence_recision 03-bee-1999 #text change 02-Sep 2-no.
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artotoxin IV trap door spider (Aptostichus sellinderi)
NiAlternate names: insecticidal peptide Aps IV
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():Species: Mytilus edulis (blue mussel)
():Date: 27 Jan 1995 #sequence_tells) s. .
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A:Molecule type: mRNA
A:Tress for 1964 -RID:
A:Tress for tenees. GM.122858, Nib.4510708, FibA.AAA66613.1, Fib.4553072
Colometics:
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Cispectes: Myrthus edulis (blue mussel)
Cibate: }4 Jan-1995 #sequence.revision 14 Jan 4045 #text_chance12 Mar 1995
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Accession, $47577
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Title: Complete amino acid sequences of five dimeric and four monomeric forms of meta-
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Ter Complete amino acid sequences of tire dimension and form measure to terms of meta
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has - 117 - Conservatīve
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                                                                                                                                                                                ## COUCGDACKCASGCGCGCGCKVVCRCSGTCACGC 54
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                                                                                                                                                                                                                                                                                    Conservative
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httpe 5: Mismatches 8: Indels
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                                                                                                                                                                                                                                                                                 1: Mismatches
                                                                                                                                                                                                                                                                                                                                 Score 54; D8 2; Length 71;
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Pred. No. 6.5;
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Search completed: September 17, Job time: 65 sec

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ArNote: segmence extracted from N°B1 backbone (NCBH:17520)
CrKeywords: distified lend: texin: cenom
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C:Date: 20-Aug 1999 #Sequence_revision 20-Aug 1999 #rext_change 24 May 2001
C:Accession: C44007
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Toxicon 40, 1043-1050 1992
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A; Residues: 1-76 aSKI
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Toxicon (0, 1043-1050, 1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          aptotoxin VI - trap-door spider (Aptostichus schlingeri)
N.Alternate names, insecticidal peptide Aps VI
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A:Note: sequence extracted from MCBF backbook (NCBFP:119527)
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Best Local Similarity 45.5
10: Conservative
                                                                                                                  Matches
                                                                                                                                    Guery Match 80.5%; Score 54; 186
Best Local Similarity 45.5%; Fred. No. 6.8;
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21 gW/EID/ZE/YSSSSE -7/8/AE 49
                                                         2 RWOLDSGOLTERSOHEGGCSGK 23
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                                                                                                                  Conservation
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45.5%;
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